



Rigorous Course Taking: Advanced Placement, International Baccalaureate, Concurrent Enrollment and Postsecondary Options Programs

Report to the Legislature

As required by Minnesota Statutes 2022, section 120B.13

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As requested by [Minnesota Statutes 2022, section 3.197](#): This report cost approximately \$5,000.00 to prepare, including staff time.

Upon request, this material will be made available in an alternative format such as large print, braille or audio recording. Printed on recycled paper.

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Legislative Charge

[Minnesota Statutes 2022, section 120B.13, subdivision 4](#) reads as follows:

The commissioner shall submit the following information on rigorous course taking, disaggregated by student subgroup, school district, and postsecondary institution, to the education committees of the legislature each year by February 1:

- (1) the number of pupils enrolled in postsecondary enrollment options under section 124D.09, including concurrent enrollment, career and technical education courses offered as a concurrent enrollment course, advanced placement, and international baccalaureate courses in each school district;
- (2) the number of teachers in each district attending training programs offered by the college board, International Baccalaureate North America, Inc., or Minnesota concurrent enrollment programs;
- (3) the number of teachers in each district participating in support programs;
- (4) recent trends in the field of postsecondary enrollment options under section 124D.09, including concurrent enrollment, advanced placement, and international baccalaureate programs;
- (5) expenditures for each category in this section and under sections 124D.09 and 124D.091, including career and technical education courses offered as a concurrent enrollment course; and
- (6) other recommendations for the state program or the postsecondary enrollment options under section 124D.09, including concurrent enrollment.

Related statutes:

[Minnesota Statutes 2022, section 120B.13](#): Advanced Placement and International Baccalaureate Programs

[Minnesota Statutes 2022, section 124D.091](#): Concurrent Enrollment Program Aid

[Minnesota Statutes 2022, section 124D.09](#): Postsecondary Enrollment Options Act

Executive Summary

The Minnesota Legislature has long supported the Advanced Placement (AP), International Baccalaureate (IB), Postsecondary Enrollment Options (PSEO) and Concurrent Enrollment programs with legislation to expand participation and specific appropriations to support schools, teachers and students. These programs offer pathways to Minnesota students, provide opportunities and preparation for the world beyond high school, and give students the opportunity to earn college credit while in high school. This report provides analyses of data trends from 2019 to 2021 and highlights student participation data and fiscal expenditures from the 2020-21 school year.

Data revealed a 17% decline in the total number of students taking AP exams and a 46% decline in IB exam participation in the 2020-21 school year. Teacher trainings were canceled or shifted from in-person to online during the same year, which decreased overall costs and reimbursements. As a result, there was a 56% decrease in total AP and IB expenditures since FY 2019 for exam reimbursements and teacher training. Total expenditures were \$2.85 million of the \$4.5 million annual appropriation.

Statewide PSEO and concurrent enrollment participation increased slightly by 4% and 3% respectively since fiscal year (FY) 2019. Total state-paid PSEO expenditures increased 13% and totaled \$39,318,564 while students enrolled in 181,863 total credits, a 9% increase over three years. Participation in concurrent enrollment included 33,159 Minnesota public school students from 324 districts generating 79,236 course enrollments. The prorated reimbursement for concurrent enrollment was \$50.48 per student per course.

Recent data reveals gaps in participation of rigorous course opportunities for students of color and low-income students. For AP, PSEO and concurrent enrollment programs, data indicates that their participation rates are proportionately lower when compared to overall state population, with the largest gap in AP. For example, Black or African American students participate proportionately less than their white counterparts in all rigorous course programs and white students outnumber students of color in all programs except IB. Students of color are least represented in concurrent enrollment, with 20% participation compared to 34% of all Minnesota high school students.

It is important to recognize here that the COVID-19 pandemic may have affected the identification of low-income students in this report. Free and reduced-price lunch eligibility is the criteria for determining if students qualify for AP and IB exam reductions. Due to the availability of free lunch to all students during school year 2020-21, many families who would qualify for free or reduced-price lunch did not apply for benefits. Without proper identification of low-income students, the exam reimbursement amounts and number of AP or IB exams taken may not be an accurate representation of low-income student participation.

Although funded as a pass-through agency, MDE provides technical assistance, professional development and monitoring for the secondary schools and postsecondary institutions while working with strategic partners to address issues of equity.

Introduction

Challenging, rigorous learning opportunities are essential in preparing students for success in postsecondary institutions, and ensuring career and college readiness. Minnesota’s rigorous course programs include Advanced Placement (AP), International Baccalaureate (IB), Postsecondary Enrollment Options (PSEO) and concurrent enrollment. These programs allow high school students the opportunity to take rigorous, college-level courses and the potential to earn college credit while in high school. Research shows that participation in rigorous courses, specifically dual enrollment, leads to better outcomes in high school as well as college enrollment and persistence.¹

Students participating in AP and IB programs engage in intense discussions, solve problems collaboratively, and learn to write clearly and persuasively. Students demonstrate mastery of a subject on AP or IB content-based examinations, which have the potential to earn the student college credit dependent upon postsecondary institution acceptance policies. PSEO and concurrent enrollment programs allow high school students to earn both high school and college credit by successfully completing courses taught by college instructors or high school teachers who serve as adjunct professors.

Minnesota was the first state to pass legislation in support of course-taking at the postsecondary level with the [Postsecondary Enrollment Options Act](#), which includes concurrent enrollment. The Minnesota Legislature has supported these opportunities for many years, and pays [Concurrent Enrollment Program Aid](#) to districts and charters to help defray the cost of offering college and/or university courses in high schools. Since 2006, the Legislature has appropriated funding to cover the cost of student exam fees and teacher training for AP and IB programs, with some of the monies earmarked each year to support teacher training. AP and IB exam fees are fully paid for low-income students, and a portion of the exam fees are subsidized for public and nonpublic students who do not qualify for free or reduced-price lunch.

This report details student participation data by ethnicity and student groups for each of the programs over the course of three years. To meet the statutory deadline, this report provides analyses of data trends from 2019 to 2021 and highlights current participation data and fiscal expenditures from the 2020-21 school year, the first school year to start during the COVID-19 pandemic. Data shows a marked decline in student exam-taking for AP and IB programs since 2019, and a slight increase in participation in PSEO and concurrent enrollment. In addition, access gaps are present and growing for student groups underrepresented in Minnesota rigorous courses, specifically low-income students and students of color. Recommendations for addressing these gaps and increasing overall participation are outlined in the analysis.

¹ “The Power of Dual Enrollment.” Homeroom. September, 2022. <https://blog.ed.gov/2022/09/the-power-of-dual-enrollment-the-equitable-expansion-of-college-access-and-success/>

Analysis

Advanced Placement (AP) Program

The AP Program is a cooperative educational endeavor between secondary schools and colleges and universities. Since its inception in 1955, the College Board Program has provided high school students with the opportunity to take college-level courses in a high school setting. The program consists of more than 35 college-level courses and standardized exams that assess proficiency in these courses. The College Board supports secondary schools by providing facilitated teacher training and a curriculum of high academic intensity and quality that enables students to meet the standards for college-level learning in these subjects.

Advanced Placement is open to any secondary school that is willing to organize one or more courses, foster teacher development and administer the AP exams. All AP exams (except Studio Art, which is a portfolio assessment) consist of dozens of multiple-choice questions scored by machine, and free-response questions (essays, translations, problems), which are scored at the annual AP Reading by more than 10,000 college faculty and secondary AP teachers.

Participating colleges in more than 30 countries receive AP grades and grant credit or appropriate placement to students who have done well on AP examinations. More than 90% of U.S. colleges and universities have an AP policy granting incoming students academic credit, placement or both, for qualifying scores on AP exams. Minnesota State Colleges and Universities has adopted a policy establishing common practices among higher education institutions for awarding credit for scores of three-five on AP exams. In Minnesota, 61 colleges and universities acknowledge Advanced Placement exam scores.

All schools wishing to designate a course as AP must first receive authorization for each course by completing the AP audit process, which involves submitting a copy of the course syllabus for review by college faculty. The AP course audit provides clear guidelines on curricular and resource requirements that must be in place and helps colleges better interpret courses marked as AP on students' transcripts.

[Visit the College Board website for more information about Advanced Placement.](#)

AP Course Participation

AP course participation is reported by districts to the Minnesota Common Course Catalogue (MCCC), a course classification system intended to provide uniform information about courses that are taught by Minnesota teachers and completed by Minnesota students. Fifty-nine percent of traditional high schools serving students in grades 9-12 reported their AP course offerings for the 2020-21 school year.

The chart below provides an overview of 2021 Minnesota AP course participation, disaggregated by student groups. In 2021, there were 34,112 public school students enrolled in AP courses across the state. Of those students reported, 28% were students of color and American Indian students.

AP Courses: Public School Participation by Student Group	FY 19	FY 20	FY 21	Percent of whole	% Increase (2019-21)
Female	20,548	20,778	18,715	55%	-10%
Male	17,006	16,992	15,397	45%	-10%
Students eligible for free/reduced-price lunch	6,524	5,959	5,099	15%	-28%
Students of Color and American Indian students	9,582	9,927	9,623	28%	--
Total Public School Students	37,554	37,770	34,112	--	-10%

The following chart shows the number of public school students enrolled in AP courses in 2021 disaggregated by race/ethnicity. White students make up 72% of AP course participants in Minnesota compared to statewide enrollment of 66%.

AP Courses: Public School Participation by Race/Ethnicity	FY 19	FY 20	FY 21	Percent of whole	% Increase (2019-21)
American Indian (state definition)	353	360	355	<1%	1%
American Indian or Alaska Native	156	150	133	<1%	-17%
Asian	3,641	3,716	3,342	10%	-9%
Hispanic or Latino	2,288	2,347	2,206	6%	-4%
Black or African American	2,273	2,254	2,386	7%	5%
White	27,972	27,843	24,489	72%	-14%
Native Hawaiian or Pacific Islander	24	21	13	<1%	-85%
Two or More Races	1,200	1,439	1,543	5%	22%
Total Public School Students	37,554	37,770	34,112	--	-10%

Note: "American Indian (state definition)" is a demographic category which represents students identified as American Indian as defined by the State of Minnesota. This category includes students from any tribe in North America, whether or

not they also share heritage with other races or ethnicities. As such, the students in this category are counted in some of the other federal demographic categories, but are not duplicated in the total student count.

AP Exam Participation

AP exam participation and performance data are collected and reported annually by the College Board; the data below includes only public school students. In 2021, 35,367 Minnesota students took 56,222 AP exams, for an average of 1.6 exams per student. The chart below provides an overview of 2021 Minnesota AP test takers and exams, disaggregated by student groups. Of note is a 19% decrease in overall exam participation by Minnesota students since FY 2019. Students eligible for free or reduced-price lunch showed a 59% decrease in participation and make up only 10% of public school students taking AP exams. For comparison, this student group represents 28% of Minnesota high school student enrollment.

AP Exams: Public School Participation by Student Group	FY 19	FY 20²	FY 21	Percent of whole	% Increase (2019-21)
Female	22,673	22,156	19,260	54%	-18%
Exams taken	35,321	34,738	29,543	53%	-20%
Male	18,832	18,025	15,954	45%	-18%
Exams taken	31,552	30,011	26,439	47%	-19%
Students eligible for free/reduced-price lunch	5,350	4,596	3,357	10%	-59%
Exams taken	7,507	6,469	4,621	8%	-62%
Students of Color and American Indian Students	10,567	10,504	9,186	26%	-15%
Exams taken	17,415	17,362	15,264	27%	-14%
Total Students	41,507	40,261	35,367	--	-17%
Total Exams	66,877	64,872	56,222	--	-19%

² Traditional AP exams did not take place in spring 2020 due to the COVID-19 pandemic.

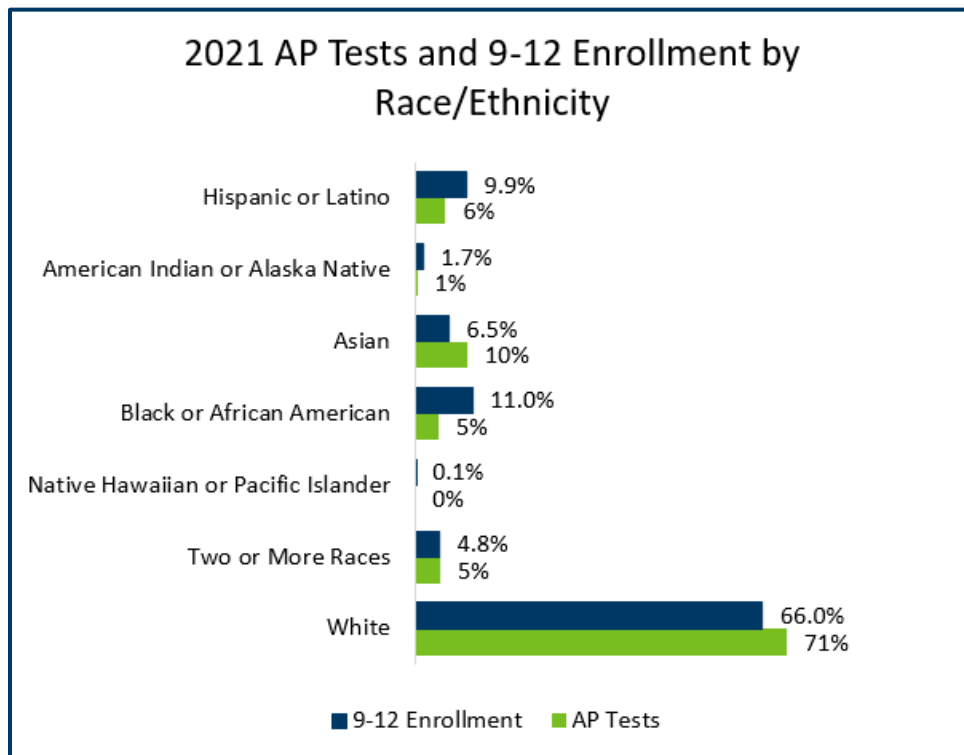
The following table shows the number of Minnesota students taking AP exams by race/ethnicity – and how many exams each group took. Exam participation by American Indian or Alaska Native students showed a 41% increase since FY 2019. White students make up the largest group of AP test takers (71%).

AP: Public School Exam Participation by Race/Ethnicity	FY 19	FY 20³	FY 21	Percent of whole	% Increase (2019-21)
American Indian or Alaska Native	110	190	185	1%	41%
Exams taken	152	248	274	<1%	45%
Asian	4,031	3,966	3,535	10%	-14%
Exams taken	7,615	7,569	6,838	12%	-11%
Hispanic or Latino	2,582	2,514	2,094	6%	-23%
Exams taken	3,772	3,762	3,051	5%	-24%
Black or African American	2,005	1,889	1,619	5%	-24%
Exams taken	2,847	2,696	2,266	4%	-26%
White	29,729	28,467	24,938	71%	-19%
Exams taken	47,692	45,432	39,091	70%	-22%
Native Hawaiian or Pacific Islander	30	21	25	<1%	-20%
Exams taken	38	30	36	<1%	-6%
Two or More Races	1,809	1,924	1,728	5%	-5%
Exams taken	2,991	3,057	2,799	5%	-7%
Total Students	41,507	40,261	35,367	--	-17%
Total Exams	66,877	64,872	56,222	--	-19%

Note: 4% of participants did not identify race/ethnicity to the College Board. The American Indian (state definition) designation is not included in this table since that data is not collected by or reported to the College Board.

³ Traditional AP exams did not take place in spring 2020 due to the COVID-19 pandemic.

The chart below compares Minnesota AP test takers to overall state high school enrollment by race/ethnicity. This illustrates whether or not specific groups are participating in AP testing representative of their enrollment. For example, white and Asian students are overrepresented in AP exams by 5% and 3.5% respectively. Hispanic or Latino students and Black or African American students are underrepresented in AP exam participation by 3.9% and 6%, respectively.



AP Exam Performance

The chart below provides a snapshot of Minnesota AP exam performance by public school students in 2021. Of 56,222 total tests taken, 60% earned a 3 or above.

AP: Exam Totals by Score	All Exams	Score of 1	Score of 2	Score of 3	Score of 4	Score of 5	Percent of 3+ Exams
Total Exams	56,222	8,712	13,735	14,805	11,683	7,287	--
Percent of Total	--	15%	24%	26%	21%	13%	60%

The chart below disaggregates the passing scores by race/ethnicity in 2021. Minnesota average score was 2.9. Asian students outperform other demographic groups as 66% of their exams score 3 or above; comparatively, 38% of Black or African American exams score 3 or above.

AP: Exam Passing Scores by Race/Ethnicity and Income Level	3	4	5	Total Exams 3+	Total Exams	% Tests 3+
American Indian or Alaska Native	75	63	23	161	274	59%
Asian	1,597	1,538	1,383	4,518	6,838	66%
Hispanic or Latino	679	501	249	1,429	3,051	47%
Black or African American	488	272	111	871	2,266	38%
White	10,831	8,292	4,833	23,956	39,091	61%
Native Hawaiian or Pacific Islander	9	10	2	21	36	58%
Two or More Races	715	625	366	1,706	2,799	61%
Students eligible for free/reduced-price lunch	993	555	252	1,800	4,621	39%
Totals	14,805	11,683	7,287	33,775	56,222	60%

Note: 4% of participants did not identify race/ethnicity to the College Board. The American Indian (state definition) designation is not included in this table since that data is not collected by or reported to the College Board.

AP Expenditures

The state distributes reimbursements to all AP schools for exams and teacher training after exams have been ordered and teacher training has been completed. Schools must submit an application for reimbursement to apply for subsidies and then submit a copy of their invoice to the Minnesota Department of Education (MDE).

In 2021, total expenditures for AP exams and teacher training were \$ 2,241,512.

AP: Expenditures	FY 19	FY 20	FY 21	% Increase (2019-21)
Exam Reimbursements	\$3,079,729	\$2,689,457	\$2,058,188	-50%
Teacher Training	\$251,950	\$157,190	\$183,324	-37%
Total Expenditures	\$3,331,679	\$2,846,647	\$2,241,512	-49%

AP Exam Subsidies

Minnesota is in its 30th year of providing AP exam fee support for students. The total expenditures for AP exams in 2021 was \$2,058,188. AP exam subsidies were available for public and nonpublic school students. The payment schedule for AP exams has varied over time, but has remained constant in the last three years.

In 2021, the state reimbursed \$53 per exam for category one students (fee-reduced, low-income) and \$33 per exam for exams taken by category two students (non-fee-reduced). Schools use free and reduced-price lunch eligibility as the criteria for determining students in low-income families and qualify for the fee reduction. The College Board waived \$33 per exam for all students who are eligible for reduced fees, and, if schools also waived their \$9 exam administration rebate from the College Board, the state reimbursement covered the remaining cost of these exams.

AP Teacher Training

During the 2020-21 fiscal year, there were 1,752 AP teachers. Training is offered annually for AP teachers and conducted by certified AP trainers and providers. MDE has worked with the College Board, the Minnesota AP Advisory Board, Augsburg University and Carleton College to facilitate in-depth training for AP teachers. In 2021, AP teacher scholarships were available for in-state teacher training at the AP Summer Institutes and for out-of-state training. Scholarships subsidize costs related to tuition, travel, room and board for AP teachers who attended training. The following criteria are used to determine out-of-state travel for AP: (1) training was not available in Minnesota; or (2) dates at the AP Summer Institutes were not feasible for participants.

In summer of FY 2021, 223 teachers trained at the AP Summer Institutes at Carleton College and Augsburg University or received out-of-state training. Total expenditures for AP teacher training was \$183,324.

[Refer to Appendix A: Advanced Placement Reimbursements by District/School FY 2021](#)

International Baccalaureate (IB) Programme

The International Baccalaureate (IB) Programme is a nonprofit, educational foundation established in 1968, offering four highly respected programs of international education that span the primary, middle and secondary school years. Schools must complete an extensive application process to become authorized IB World Schools and offer these programs. There are over 1 million students attending more than 4,000 IB World Schools in 153 countries worldwide.

Diploma Programme (DP) and Exams

The Diploma Programme is a comprehensive two-year international curriculum, for students aged 16-19, available in English, French and Spanish. The DP offers 157 exams in 51 disciplines that generally allow students to fulfill the requirements of their national or state education systems. Students who participate in the full Diploma Programme are required to study and examine in six different academic subjects. At least three of the six subjects are taken at the higher level, where students study the subject area in depth for two academic years, totaling 240 hours. Challenging, standard level IB courses span one academic year and total a minimum of 150 hours. Students who are not diploma candidates can choose to take individual IB courses and subsequent exams to earn IB certificates.

The format of exams is both written and oral and includes essay, multiple choice and short answer questions. In some subject areas, students also prepare a portfolio for assessment. Each subject has at least two exam periods for different types of exams, for a total of four hours of examination. Each examined subject is graded on a scale of one to seven (maximum). The award of the diploma requires a minimum total of 24 points and satisfactory completion of the following three additional requirements:

- The Extended Essay is approximately 4,000 words, requiring students to write an independent, original research paper in one of the six subject areas;
- A critical thinking course known as Theory of Knowledge explores the relationships among the various disciplines and ensures that students engage in critical reflection and analysis of the knowledge acquired within and beyond the classroom; and,
- A minimum of 150 hours participation in Creativity, Action and Service (CAS), which are extracurricular community-action service, artistic and physical activities.

The IB Diploma is accepted as an admissions credential at more than 1,000 North American Colleges and in more than 100 countries. More than 90% of U.S. colleges and universities have an IB policy granting incoming students academic credit, placement or both, for qualifying grades or scores on IB exams. Minnesota State Colleges and Universities has adopted a policy establishing common practices among higher education institutions for awarding credit for scores of four-seven in IB. In Minnesota, 47 postsecondary institutions acknowledge International Baccalaureate exam scores.

Career-Related Programme (CP)

The Career-related Programme is for students aged 16-19 to engage in career-related learning. The CP builds on prior learning in the IB Middle Years Programme and incorporates elements of the IB Diploma Program. Through CP, students have the opportunities for career and technical training along with rigorous academic work to earn a Career Certificate. The CP can be offered as a standalone program in schools that are not DP authorized. Schools that do not currently offer DP can add the standalone CP by offering at least two DP courses along with

the other CP requirements. Schools currently offering the DP can add the CP with an expedited authorization process.

Middle Years Programme (MYP)

The Middle Years Programme offers a broad academic base along with Approaches to Learning and other areas of interaction for students in grades 6-10. The MYP can be a standalone program or part of the pre-IB preparation for the Diploma Programme.

Primary Years Programme (PYP)

The Primary Years Programme was developed in 1997 for students in elementary programs. It offers an inquiry-based program for students in pre-K through fifth grade. The PYP and MYP schools also go through a comprehensive process to become authorized. Both the MYP and the PYP are schoolwide models that serve all students.

[Visit the International Baccalaureate website for more information.](#)

IB Schools and Programs

In 2021, 79 IB programs were in place in 57 IB-authorized Minnesota schools. Some schools implement multiple programs in the same building. Participating schools receive support and guidance through MDE, Minnesota Association of IB World Schools (MNIB) and the International Baccalaureate Americas (IB). The chart below totals the number of IB programs by type offered at Minnesota schools.

IB: Program Types	FY 19	FY 20	FY 21
Primary Years Programme	24	23	23
Middle Years Programme	26	26	28
Diploma Programme	20	20	21
Career-related Programme	4	5	7
Total IB Programs	74	74	79

At this time, there are four schools preparing to offer new or additional authorized IB programs. To become authorized, a school or district must go through five specific steps, including a feasibility study/strategic planning process – comprehensive school changes to curriculum, instruction, and professional development that occurs during the two-step application process. After this process has been completed, schools undergo a site visit from the IB Americas. After a successful visit, the school then achieves the Authorized IB World School status. Follow-up visits are required to maintain their IB authorization.

[Refer to Appendix B: International Baccalaureate Schools and Programs by School Type FY 2021](#)

IB Course and Exam Participation

The following chart shows the total number of public school students participating in IB courses and testing at the high school DP or CP levels by student group, as well as the total number of diplomas earned. IB exam participation and performance data is collected and reported by the International Baccalaureate Organization (IBO). Unlike the AP Program, which allows a student to take an exam without enrolling in an AP course, IB students can take an exam only if they are enrolled in an IB-designated course at an authorized IB school. Students can elect to take individual IB courses or work to earn the full IB diploma, which has additional requirements. In 2021, 235 Minnesota students earned the full IB diploma.

IB: Course and Exam Participation by Student Group	FY 19	FY 20 ⁴	FY 21	Percent of whole	% Increase (2019-21)
Female	2,251	2,162	1,648	60%	-37%
Courses and exams taken	5,312	4,772	3,967	60%	-34%
Male	1,786	1,683	1,116	40%	-60%
Courses and exams taken	4,023	3,422	2,610	40%	-54%
Students eligible for free/reduced-price lunch	1,117	1,041	577	21%	-94%
Courses and exams taken	2,380	2,119	1,334	20%	-78%
Students of Color and American Indian Students	1,662	1,570	1,006	36%	-65%
Courses and exams taken	3,738	3,273	2,320	35%	-61%
Total Students	4,038	3,845	2,764	--	-46%
Total Courses and Exams	9,336	8,194	6,577	--	-42%
Diplomas Earned	193	191	235	--	18%

The total number of students testing at the Diploma Programme level decreased 46% over the last three years, from 4,038 to 2,764. These students took 6,577 exams, averaging 1.5 exams per student. Students eligible for free or reduced-price lunch took 20% of IB exams, and students of color and American Indian students took 35% of IB exams.

⁴ Traditional IB exams were canceled in spring 2020 due to the COVID-19 pandemic. The IBO based students' scores on a combination of the students' coursework, teacher-predicted grades, and historical assessment data.

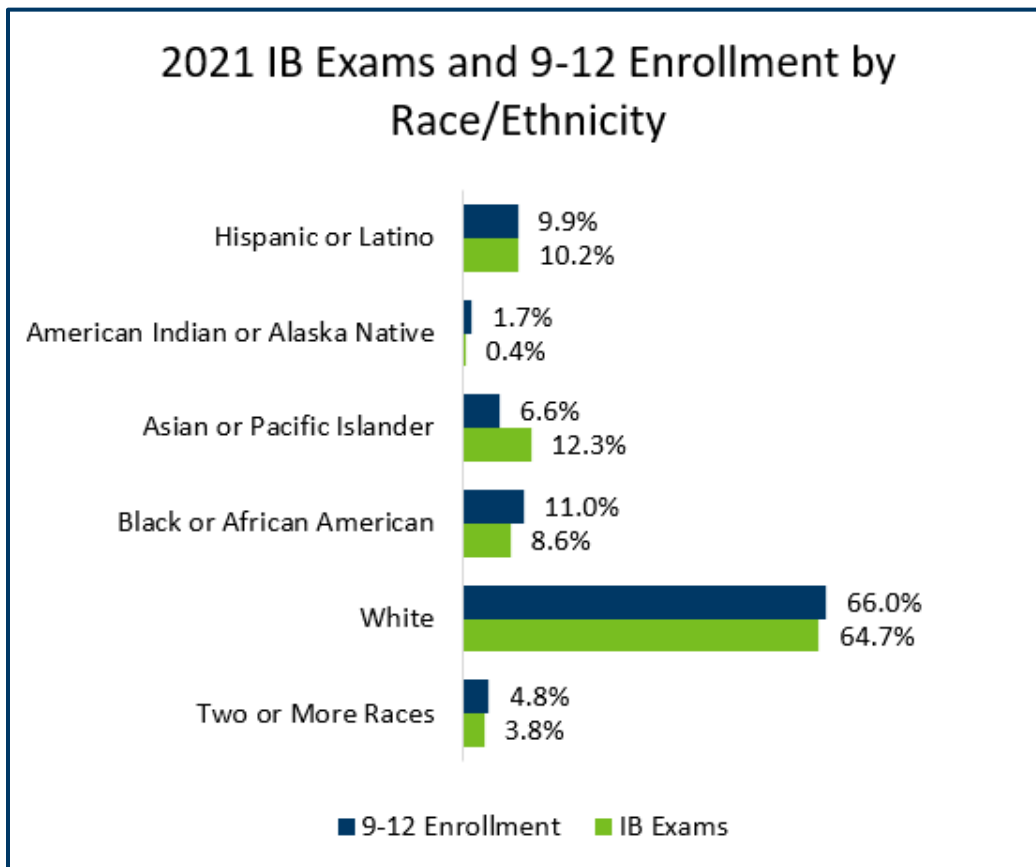
The following chart provides a breakdown of both student participation in IB courses and the number of exams taken over the last three years, by race/ethnicity. White students make up 64% of all participants while Black or African American students show a sharp decline in IB enrollment and exam-taking since FY 2019.

IB: Course and Exam Participation by Race/Ethnicity	FY 19	FY 20	FY 21	Percent of whole	% Increase (2019-21)
American Indian (state definition)	37	43	26	1%	-42%
Courses and exams taken	75	106	70	1%	-7%
American Indian or Alaska Native	26	26	7	<1%	-271%
Courses and exams taken	58	61	26	<1%	-123%
Asian + Native Hawaiian or Pacific Islander	601	531	333	12%	-80%
Courses and exams taken	1,444	1,175	810	12%	-78%
Hispanic or Latino	418	445	292	11%	-43%
Courses and exams taken	921	907	668	10%	-38%
Black or African American	536	455	256	9%	-109%
Courses and exams taken	1,152	920	567	9%	-103%
White	2,375	2,275	1,758	64%	-35%
Courses and exams taken	5,597	4,921	4,257	65%	-31%
Two or More Races	81	113	118	4%	31%
Courses and exams taken	177	211	249	4%	29%
Total Students	4,038	3,845	2,764	--	-46%
Total Courses and Exams	9,336	8,194	6,577	--	-42%

Notes: "American Indian (state definition)" is a demographic category which represents students identified as American Indian as defined by the State of Minnesota. This category includes students from any tribe in North America, whether or not they also share heritage with other races or ethnicities. As such, the students in this category are counted in some of the other federal demographic categories, but are not duplicated in the total student count.

There were no students reported as "Native Hawaiian or Pacific Islander". That student group is combined with "Asian" students in this chart because it was not large enough to report on its own without providing personally identifiable data. These categories are separated into two groups elsewhere in this report.

The chart below compares Minnesota IB participation to overall state high school enrollment by race/ethnicity. This illustrates whether or not specific groups are participating in IB courses and exams representative of their enrollment. For example, Asian or Pacific Islander students make up 6.6% of high school students in Minnesota, but participate in IB courses and exams at a higher rate (12.3%). White students are less represented in IB courses and exams than their enrollment statewide.



IB Exam Performance

An IB Exam score of four or higher can translate into college credit once a student enters a postsecondary program. The chart below disaggregates the passing scores on exams by race/ethnicity and income level in 2021. Students taking IB courses took 5,612 total exams, with 4,407 (79%) earning a score of four or above on a seven-point scale.

IB: Exam Passing Scores by Race/Ethnicity and Income Level	4	5	6	7	Total Exams 4+	Total Exams	% Exams 4+
American Indian (state definition)	21	16	5	1	43	54	80%
American Indian or Alaska Native	6	9	3	0	18	19	95%
Asian + Native Hawaiian or Pacific Islander	226	151	76	18	471	672	70%
Hispanic or Latino	195	122	72	30	419	557	75%
Black or African American	164	70	25	4	263	458	57%
White	1,155	1,201	571	148	3,075	3,694	83%
Two or More Races	71	62	21	7	161	212	76%
Students eligible for free/reduced-price lunch	375	212	81	32	700	1,111	63%
Totals	2,281	1,832	824	196	4,407	5,612	79%

Notes: “American Indian (state definition)” is a demographic category which represents students identified as American Indian as defined by the State of Minnesota. This category includes students from any tribe in North America, whether or not they also share heritage with other races or ethnicities. As such, the students in this category are counted in some of the other federal demographic categories, but are not duplicated in the total student count.

There were no students reported as “Native Hawaiian or Pacific Islander”. That student group is combined with “Asian” students in this chart because it was not large enough to report on its own without providing personally identifiable data. These categories are separated into two groups elsewhere in this report.

IB Expenditures

The state distributes reimbursements to all IB schools for exams and teacher training after exams have been ordered and teacher training has been completed. Schools must submit an application for reimbursement to apply for subsidies and then submit a copy of their invoice to MDE.

In 2021, total expenditures for IB exams and teacher training were \$607,881.

IB: Expenditures	FY 19	FY 20	FY 21	% Increase (2019-21)
Exam Reimbursements	\$836,592	\$1,202,978	\$461,791	-81%
Teacher Training	\$288,398	\$138,405	\$146,090	-97%
Total Expenditures	\$1,124,990	\$1,341,383	\$607,881	-85%

IB Exam Subsidies

IB exam fee subsidies for students who are low-income (based on eligibility for free or reduced-price lunch) were subsidized at the full cost of \$119 for the first exam and \$119 for each additional exam per student. All other student exams were funded at \$60 for the first exam and \$60 for each additional exam. Actual expenditures for IB exams in 2021 were \$461,791.

IB Teacher Training

In-depth IB teacher training is annually conducted by certified IB trainers and providers. A few teachers attended out-of-state training, while the majority of teachers participated in virtual workshops and/or professional networking opportunities in Minnesota, coordinated by the MNIB. In addition, special on-site trainings were offered through partnerships with individual districts and the International Baccalaureate which did not seek reimbursement. A total of 373 participants were reimbursed for IB teacher training totaling \$146,090.

[Refer to Appendix C: International Baccalaureate Reimbursements by School/District FY 2021](#)

Postsecondary Enrollment Options (PSEO) Program

Minnesota became the first state in the nation to pass legislation to support course-taking at the postsecondary level by eligible high school juniors and seniors. The PSEO program allows high school students to enroll in courses taught by college instructors on college campuses with each participating postsecondary institution setting its own enrollment requirements for admission. The program provides students with a greater variety of class offerings and the opportunity to pursue more challenging coursework than may be available at the high school. Students may enroll in PSEO courses on a part-time or full-time basis.

PSEO allows high school students to earn college credit at no cost and, after graduation from high school, to potentially enter into postsecondary institutions with some course requirements already met. The postsecondary institutions generate a separate college transcript with their college courses and grades for the participating high school students. Any public, nonpublic, home school or American Indian-controlled tribal contract or grant student classified as a 10th-, 11th- or 12th-grader and accepted by a postsecondary institution may enroll in nonsectarian courses or programs at that postsecondary institution. Other course limitations may apply depending on grade level.

Eligible institutions include the University of Minnesota and its branches; all state universities, community colleges and technical colleges; private, Minnesota, two- or four-year, residential, degree granting, liberal arts colleges; nonprofit, degree-granting trade schools; or accredited opportunities industrialization centers in Minnesota.

PSEO State-Approved Early/Middle College Programs

Legislation provides the opportunity to use PSEO funding for developmental coursework when a student who is enrolled in the graduation incentives program enrolls full-time in an Early/Middle College Program. This program model is a partnership between a State-Approved Alternative Program (SAAP) and an eligible postsecondary institution, which is specifically designed to offer well-defined pathways to postsecondary degrees and/or credentials. Students engaged in these programs are able to earn dual credit with intentional academic and wraparound supports offered by the partnership.

[Refer to Appendix D: PSEO State-Approved Early/Middle College Programs FY 2021](#)

PSEO Funding

The PSEO program is funded through legislative direction under [Minnesota Statutes 2022, section 124D.09](#). There is no cost for students to participate in this program. PSEO funding from the state that flows through MDE pays for tuition, fees and required textbooks at the postsecondary institution when students participate in PSEO. Funds are available to help pay transportation expenses for PSEO students whose families are at or below the poverty level, as determined by the federal government, to participate in PSEO courses on college campuses.

Direct contract partnerships exist between high schools and postsecondary institutions to offer PSEO and are allowable according to [Minnesota Statutes 2022, section 124D.09, subdivision 10](#) (commonly known as “PSEO by contract”). Because these contracts and fiscal arrangements are between high schools and postsecondary institutions, student participation, course and credit data is not available to MDE and cannot be included in this report. Participation data and expenditures in this section are PSEO courses paid by MDE directly to the postsecondary institutions.

PSEO Program Participation

Public, nonpublic and home school students are eligible to participate in PSEO. In 2021, 10,932 students received 181,863 credits through PSEO, an average of 16.6 credits per student. The following chart illustrates student participation rates over the last three years by enrollment type. Public school students accounted for 72% of those enrolled in PSEO, home school students were 16% of enrollees, and nonpublic school students made up 12% of the PSEO population. Overall participation has increased by 3% over the last three years.

PSEO: Participation by Enrollment Type	FY 19	FY 20	FY 21	Percent of whole	% Increase (2019-21)
Public School Students	7,520	7,419	7,862	72%	4%
Home School Students	2,000	1,888	1,797	16%	-11%
Nonpublic Students	1,031	1,156	1,273	12%	19%
Total Students	10,551	10,463	10,932	--	3%

The next table shows the total number of public school students participating in PSEO by student group. Overall public school participation shows a slight increase over the past three years. There has been a significant increase in PSEO participation through courses according to agreements (commonly referred to as PSEO by contract). For more information, refer to [PSEO Funding](#). MDE does not have participation data for students participating in PSEO through courses according to agreements.

PSEO: Public School Participation by Student Group	FY 19	FY 20	FY 21	Percent of whole	% Increase (2019-21)
Female	5,028	4,984	5,319	68%	5%
Male	2,492	2,435	2,543	32%	2%
Special Education	241	270	222	3%	-9%
English Learners	186	196	164	2%	-13%
Students eligible for free/reduced-price lunch	1,721	1,691	1,576	20%	-9%
Students of Color and American Indian Students	2,113	2,193	2,226	28%	5%
Total Public School Students	7,520	7,419	7,862	--	4%

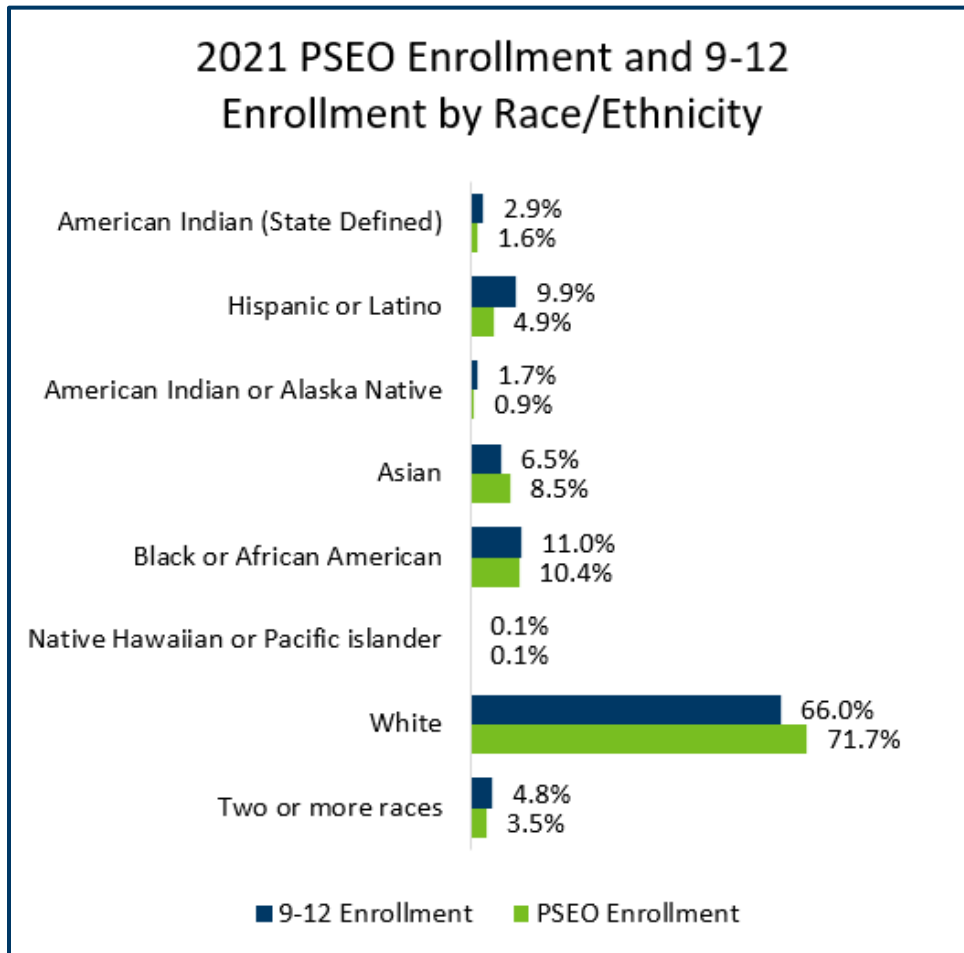
Students of color and American Indian students account for 28% of total public school students participating in PSEO, with a 5% increase in participation over the past three years.

The following table details the fluctuation of PSEO participation by public school students by race/ethnicity. Participation in PSEO by Black or African American students has increased by 8% over the last three years. Participation by students reporting two or more races has increased by 29% from 2019 to 2021.

PSEO: Public School Participation by Race/Ethnicity	FY 19	FY 20	FY 21	Percent of whole	% Increase (2019-21)
American Indian (state definition)	123	131	127	2%	3%
American Indian or Alaska Native	79	89	69	1%	-14%
Asian	681	639	672	9%	-1%
Hispanic or Latino	403	455	387	5%	-4%
Black or African American	755	780	820	10%	8%
White	5,408	5,227	5,636	72%	4%
Native Hawaiian or Pacific Islander	1	2	5	>1%	80%
Two or More Races	194	228	273	4%	29%
Total Public School Students	7,520	7,419	7,862	--	4%

Note: "American Indian (state definition)" is a demographic category which represents students identified as American Indian as defined by the State of Minnesota. This category includes students from any tribe in North America, whether or not they also share heritage with other races or ethnicities. As such, the students in this category are counted in some of the other federal demographic categories, but are not duplicated in the total student count.

The chart below compares Minnesota PSEO participation to overall state high school enrollment by race/ethnicity. This illustrates whether or not specific groups are participating in PSEO courses representative of their enrollment. Hispanic or Latino students are 5% less represented in PSEO compared to their enrollment statewide. In contrast, white students participate in PSEO at a higher rate than their representation statewide (5.7%).



PSEO Expenditures

In 2020-21, more than \$39 million was paid to 61 eligible Minnesota postsecondary institutions at a rate of \$216 per credit. This table outlines PSEO payments to higher education institutions over the last three years. Total state-paid PSEO expenditures increased 13% since FY 19 with the University of Minnesota campuses showing the biggest growth in PSEO participation (19%).

PSEO Expenditures by Institution Type	FY 19	FY 20	FY 21	% Increase (2019-21)
Technical Colleges	\$863,071	\$988,452	\$1,039,490	17%
Community Colleges	\$8,667,805	\$9,330,819	\$9,975,468	13%
Community and Technical Colleges	\$10,558,273	\$11,401,913	\$11,449,520	8%
State Universities	\$2,295,790	\$2,366,359	\$2,536,026	8%
University of Minnesota campuses	\$3,227,037	\$3,018,272	\$3,970,945	19%
Private Colleges	\$8,589,062	\$8,901,079	\$10,347,116	17%
Total Expenditures	\$34,201,039	\$36,006,894	\$39,318,564	13%
Total Credits	165,047	170,117	181,863	9%
Cost per Credit	\$207	\$212	\$216	4%

[Refer to Appendix E: PSEO Total Number of Credits and Expenditures by Postsecondary Institution FY 2021](#)

Concurrent Enrollment Program

Concurrent enrollment serves public high school students enrolled in a postsecondary course taught during the regular school day and offered through a partnership between a high school and a college or university. Qualified high school instructors or college faculty teach the courses, which are offered at the secondary school or another location, according to an agreement between a public school board and the eligible postsecondary institution. The same assessment methods and content are used as the equivalent sections taught on the college campus. Students can earn high school and college credit upon successful completion of the course or courses. Students earn a grade based on their work over the entire term of the course and on multiple and varied assessments. College/university credit is granted for successful completion of the course, rather than on the results of a single high-stakes test.

Accreditation of postsecondary institutions through the Higher Learning Commission (HLC) and the National Alliance for Concurrent Enrollment Partnerships (NACEP) set standards for quality and rigor in Minnesota concurrent enrollment programs. These accrediting bodies ensure that concurrent enrollment courses offered in high schools are the same courses that are offered on the sponsoring postsecondary institution campus and that students in the high schools are held to the same academic standards as students on campus. NACEP Accreditation Standards and HLC Accreditation Criteria are similar and cover areas such as teacher credentials and preparation, rigor of courses and curricular standards, expectations for student learning and learning outcomes, access to learning resources, and monitoring and oversight. NACEP accreditation also requires program evaluation and student surveys to monitor transferability of credits earned through concurrent enrollment.

Teacher credentials and preparation

By requiring that concurrent enrollment programs be NACEP-accredited or meet comparable standards, the state requires that concurrent enrollment teachers be “approved by the respective college/university academic department and meet the academic department’s requirements for teaching the college/university courses.” Accredited programs or those meeting comparable standards must also provide “annual discipline-specific professional development activities and ongoing collegial interaction to address course content, course delivery, assessment, evaluation, and/or research development in the field.” The Higher Learning Commission also expects that postsecondary institutions require “the same level of credentials and qualifications for faculty in dual credit courses or programs that it does for its regular higher-education courses.”

The HLC determines the criteria for faculty qualifications, including high school teachers teaching Concurrent Enrollment. For more information, [read Determining Qualified Faculty through HLC’s Criteria for Accreditation and Assumed Practices](#). To access additional resources on determining qualified faculty, [visit the Higher Learning Commission’s website](#).

Concurrent Enrollment Aid

[Minnesota Statutes 2022, section 124D.091](#), provides funding to districts and charters to help defray the cost of offering college and/or university courses in high schools. Districts and charters are eligible for this state funding if the partnering postsecondary institution is accredited by NACEP, in the process of being accredited, or provides clear evidence of comparable standards. MDE monitors compliance with this statute by requiring non-

NACEP accredited programs to sign a letter of assurances, indicating the program meets this requirement and is an eligible institution, as defined by [Minnesota Statutes 2022, section 124D.09, subdivision 2](#).

The concurrent enrollment appropriation of \$4 million dollars supports funding of up to \$150 per student to districts and charters that offer a concurrent enrollment course, according to an agreement under [Minnesota Statutes 2022, section 124D.09, subdivisions 10 and 16](#). Note that reimbursements are prorated based on total concurrent enrollment participation across the state. In FY 2021, the prorated reimbursement was \$50.48/student/course.

Concurrent Enrollment Program Participation

In 2020-21, 37 Minnesota colleges and universities partnered with 324 districts and charter schools to offer concurrent enrollment courses to public school students. In total, 33,159 Minnesota public school students generated 79,236 course enrollments, which totaled 268,023 college credits, an average of 2.4 courses and eight college credits per student. Total participation by public school students has increased slightly (3%) from FY 19 to FY 21. The following table shows the total number of public school students participating in concurrent enrollment by student groups.

Concurrent Enrollment: Public School Participation by Student Group	FY 19	FY 20	FY 21	Percent of whole	% Increase (2019-21)
Female	18,659	19,284	19,770	60%	6%
Male	13,613	13,621	13,390	40%	-2%
Special Education	732	707	723	2%	-1%
English Learners	299	360	351	1%	15%
Students eligible for free/reduced-price lunch	5,990	6,067	5,166	16%	-16%
Students of Color and American Indian Students	5,962	6,706	6,523	20%	9%
Total Public School Students	32,272	32,905	33,159	--	3%

Participation in concurrent enrollment increased for English learners (15%) and students of color and American Indian students (9%). Female students participate at a higher rate (60%) than male students (40%).

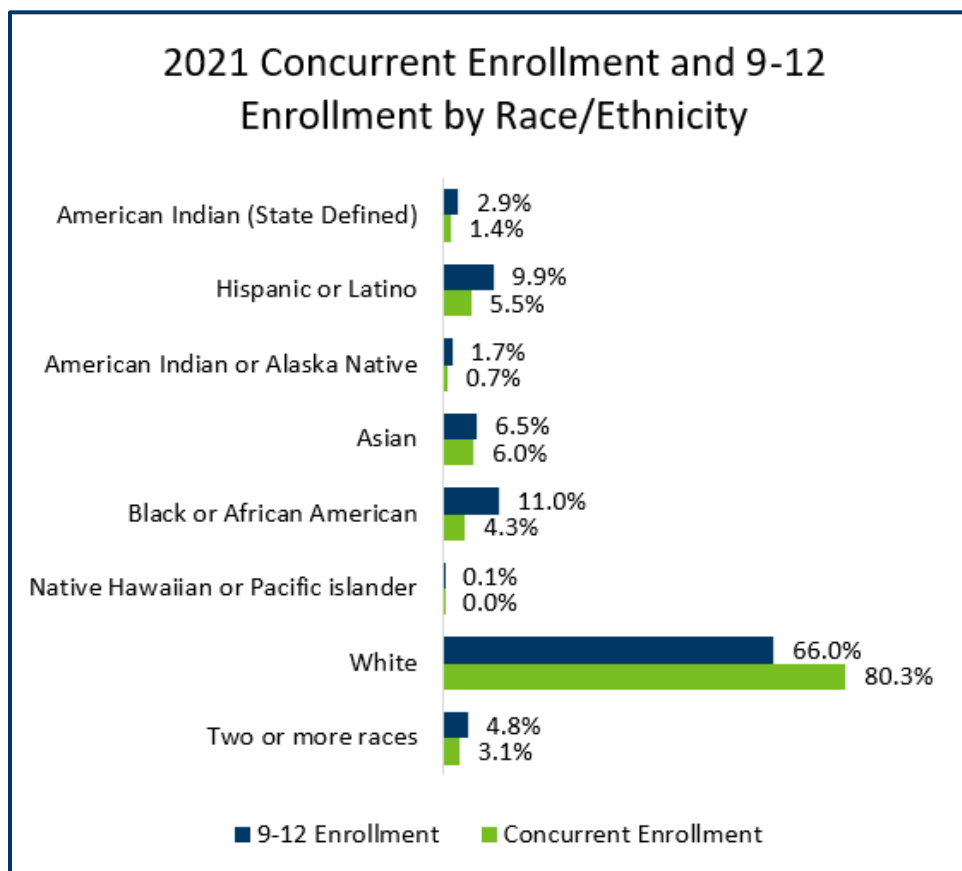
The next table details the fluctuation of concurrent enrollment participation by public school students by race/ethnicity. Students of color and American Indian students account for only 9% of total public school students participating in concurrent enrollment. Participation in concurrent enrollment by Hispanic or Latino students has increased 12% since 2019; however, this group makes up only 6% of total participants.

Concurrent Enrollment: Public School Participation by Race/Ethnicity	FY 19	FY 20	FY 21	Percent of whole	% Increase (2019-21)
American Indian (state definition)	422	452	449	1%	6%
American Indian or Alaska Native	250	251	242	<1%	-3%
Asian	1,932	2,140	1,993	6%	3%
Hispanic or Latino	1,610	1,840	1,820	6%	12%
Black or African American	1,407	1,540	1,423	4%	1%
White	26,374	26,238	26,636	80%	1%

Concurrent Enrollment: Public School Participation by Race/Ethnicity	FY 19	FY 20	FY 21	Percent of whole	% Increase (2019-21)
Native Hawaiian or Pacific Islander	15	13	15	<1%	<1%
Two or More Races	748	922	1,030	3%	27%
Total Public School Students	32,272	32,905	33,159	33,159	3%

Note: "American Indian (state definition)" is a demographic category which represents students identified as American Indian as defined by the State of Minnesota. This category includes students from any tribe in North America, whether or not they also share heritage with other races or ethnicities. As such, the students in this category are counted in some of the other federal demographic categories, but are not duplicated in the total student count.

The chart below compares Minnesota concurrent enrollment participation to overall state high school enrollment by race/ethnicity. This illustrates whether or not specific groups are participating in concurrent enrollment representative of their enrollment statewide. Hispanic or Latino students and Black or African American students are underrepresented in concurrent enrollment by 4.4% and 6.7%, respectively. White student participation in concurrent enrollment outweighs their general enrollment by 14.3%.



Concurrent Enrollment Program Participation: Career Technical Education (CTE)

This section details public student participation in CTE courses offered by 170 districts and charter schools through concurrent enrollment. In 2020-21, 4,662 Minnesota public school students generated 6,539 CTE course enrollments, which totaled 18,968 college credits, an average of 1.4 CTE course and four college credits per student. The following table shows the total number of public school students participating in CTE concurrent enrollment courses by student groups.

Concurrent Enrollment-CTE: Public School Participation by Student Group	FY 19	FY 20	FY 21	Percent of whole	% Increase (2019-21)
Female	2,569	2,471	2,776	60%	7%
Male	2,240	1,930	1,886	40%	-19%
Special Education	257	206	187	4%	-37%
English Learners	52	73	70	2%	26%
Students eligible for free/reduced-price lunch	1,062	967	856	18%	-24%
Students of Color or American Indian Students	894	972	933	20%	4%
Total Public School Students	4,809	4,401	4,662	--	-3%

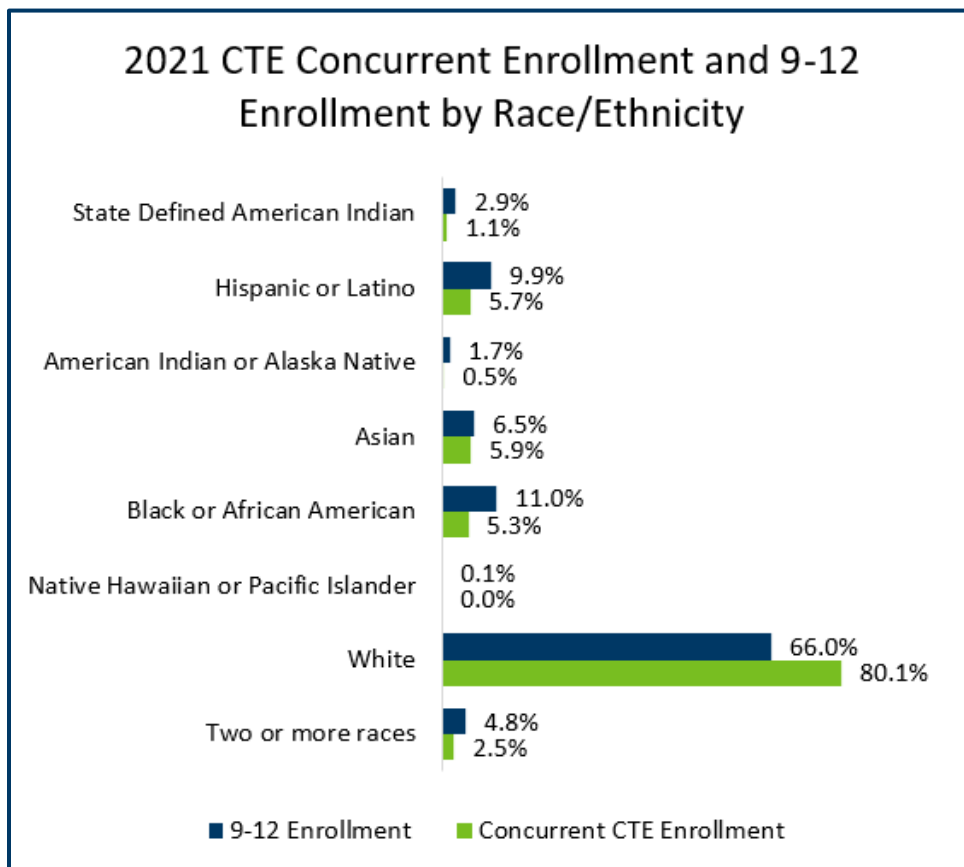
From FY 19 to FY 21, the total number of public students participating in CTE courses through concurrent enrollment has decreased slightly (3%). These 4,662 students account for 14% of all public school students participating in concurrent enrollment courses. The groups with the most significant increases in participation over the last three years were English learners (26%) and students of color or American Indian students (4%). The next table details the fluctuation of CTE concurrent enrollment participation by public school students by race/ethnicity. Students of color or American Indian students account for 20% of the total.

Concurrent Enrollment-CTE: Public School Participation by Race/Ethnicity	FY 19	FY 20	FY 21	Percent of whole	% Increase (2019-21)
American Indian (state definition)	85	64	50	1%	-70%
American Indian or Alaska Native	49	35	23	1%	-113%
Asian	218	268	273	6%	20%
Hispanic or Latino	253	254	268	6%	6%
Black or African American	225	293	249	5%	10%
White	3,929	3,435	3,733	80%	-5%
Native Hawaiian or Pacific Islander	0	2	2	<1%	100%

Concurrent Enrollment-CTE: Public School Participation by Race/Ethnicity	FY 19	FY 20	FY 21	Percent of whole	% Increase (2019-21)
Two or More Races	148	120	118	3%	-25%
Total Public School Students	4,809	4,401	4,662	--	-3%

Note: "American Indian (state definition)" is a demographic category which represents students identified as American Indian as defined by the State of Minnesota. This category includes students from any tribe in North America, whether or not they also share heritage with other races or ethnicities. As such, the students in this category are counted in some of the other federal demographic categories, but are not duplicated in the total student count.

The chart below compares Minnesota CTE concurrent enrollment participation to overall state high school enrollment by race/ethnicity. This illustrates whether or not specific groups are participating in concurrent enrollment representative of their enrollment statewide. Hispanic or Latino students and Black or African American students are underrepresented in CTE concurrent enrollment by 4.2% and 5.7%, respectively. White student participation in CTE concurrent enrollment outweighs their general enrollment by 14%.



Concurrent Enrollment Aid Expenditures

Concurrent enrollment aid reimbursements are prorated based on total concurrent enrollment participation across the state. Total aid is capped at \$4 million and in FY 2021, the prorated reimbursement was \$50.48/student/course. As total course enrollments increase, the prorated reimbursement decreases. CTE Aid totaled \$330,102 and is a subset of the total appropriation.

Concurrent Enrollment: Credits, Student Course Counts, Aid Paid to Districts	FY 19	FY 20	FY 21	% Increase (2019-21)
Total Credits	261,019	261,170	268,023	3%
CTE Credits	19,055	18,130	18,968	--
Total Course Enrollments	76,296	76,295	79,236	4%
CTE Course Enrollments	6,384	5,981	6,539	2%
Total Students	32,272	32,905	33,156	3%
CTE Students	4,809	4,401	4,662	-3%
Prorated Reimbursement Per Course	\$52.43	\$52.43	\$50.48	-4%
Total Aid	\$4,000,000	\$4,000,000	\$4,000,000	--
Total CTE Aid	\$334,713	\$313,584	\$330,102	-1%

Note: CTE credits, CTE course enrollments, CTE students and total CTE aid are a subset of the total concurrent enrollment credits, course enrollments, students and aid payments. Course enrollment counts provide a duplicated count of how many students were enrolled in concurrent enrollment courses. Every course a student enrolls in generates a count for the total course count.

[Refer to Appendix F: Concurrent Enrollment Aid Expenditures by District FY 2021](#)

[Refer to Appendix G: Concurrent Enrollment Total Number of Credits and Courses by Institution FY 2021](#)

Recommendations

The following recommendations have been identified to increase overall access to rigorous courses, as well as improve outcomes for students and reduce equity gaps for underserved populations.

- Ensure that eligibility criteria for student participation in PSEO and concurrent enrollment includes multiple indicators of a student’s ability to succeed in a postsecondary course or subject, rather than relying solely on indicators of overall academic standing, such as GPA or class rank.
- Build accountability mechanisms to ensure districts and charters provide up-to-date information on their websites and in materials to students and parents about PSEO as per [Minnesota Statutes 2022, section 124D.09, subdivision 7](#).
- Promote and support rigorous course offerings in schools as a key strategy to eliminate opportunity and achievement gaps, increase graduation rates, and ensure all students are career and college ready.
- Provide additional state funding appropriation to districts with State-Approved Early/Middle College Programs so more students from State-Approved Alternative Programs are able to pursue the opportunity to participate in PSEO and receive supports.
- Examine which barriers are preventing growth in AP courses and IB programs in rural communities and create a plan to address removing barriers that are regionally based.
- Foster growth in on-ramp programs for high school participation (i.e., Pre-AP and IB Middle Years and Primary Years programs) through grant programs and training opportunities.
- Reimagine the PSEO funding formula so it does not result in a financial penalty for districts and charters when their students choose to participate in PSEO classes. Create a course code specifically for online PSEO courses, and when done in the school building, that includes increased funding to the school.
- Provide funding and training with strategic partners to strengthen secondary-postsecondary partnerships in support of Minnesota students accessing dual enrollment.
- Consider the capacity and authorities needed to create a process for PSEO by contract data collection from all dual enrollment partnerships in order to understand the number and demographics of students participating and succeeding in PSEO.
- Increase funding for concurrent enrollment aid to the full reimbursement rate for districts, as well as funding for teacher training to earn necessary credentials.

The next list of recommendations were identified by a collaborative working group created at the direction of the Minnesota P-20 Education Partnership and comprised of the Minnesota Department of Education, Office of Higher Education, Minnesota State Colleges and Universities, and the University of Minnesota Twin Cities, facilitated by the College in High School Alliance.

- Provide funding to create a pilot to fully fund PSEO. As part of the pilot, and to access supplementary funding to account for the loss of K-12 funding through the PSEO statutory formula, high schools should be required to develop equity plans and develop strong plans for how the additional funding will be used to promote equitable access to all dual enrollment programs in the school, promote student

success, and promote students taking intentional and meaningful dual enrollment courses that accelerate their journey to college and career success.

- Revisit the PSEO transportation reimbursement mechanism and update it to reflect the needs, and the costs, faced by today's students.
- Provide a mandate and funding to collect and publicly report PSEO by contract data from all dual enrollment partnerships in order to understand how many students are participating and succeeding in PSEO and who those students are.
- Develop new research into Minnesota's dual enrollment system in order to encourage continuous policy and practice improvements that enhance student access and success.

Conclusion

The Minnesota Legislature has long supported rigorous course programs for high school students. Research has shown that these programs have positive impacts on student outcomes, including college enrollment and completion. When implemented intentionally and equitably, students' college and career pathways benefit. Benefits to students' post-high school experiences can be significant.⁵

During the 2020-2021 school year, the state spent over \$46 million on rigorous course programs, which included expenditures for postsecondary tuition, concurrent enrollment aid to districts, exam reimbursements for students, and teacher training expenses. Thirty-five thousand Minnesota students took AP exams, and close to 3,000 students participated in IB exams in 21 authorized high schools. Nearly 11,000 students participated in PSEO and approximately 33,000 public school students enrolled in concurrent enrollment courses.

Student participation in Minnesota's rigorous course taking opportunities has trended upward, but FY 21 shows a downward trend in AP and IB exam participation. Additionally, recent data has shown that there are student groups that are not engaging in rigorous courses at a rate that is equal to the group's statewide enrollment. That trend is specific to AP, PSEO and concurrent enrollment programs. Large participation gaps exist for students of color and low-income students, which may have been exacerbated by the COVID-19 pandemic.

A number of comprehensive recommendations for improving access to college course taking in high school for more students has been included in this report which include student and practitioner listening sessions, expanding data collection for PSEO by contract, and developing a pilot project to fully fund PSEO. Additionally, some of the recommendations have been identified as priorities by the Minnesota P-20 Education Partnership.⁶ It is essential for Minnesota to take a comprehensive look at how to solve access and success challenges for dual enrollment in order to provide benefits to Minnesota's underserved students.

⁵ "Research Priorities for Advancing Equitable Dual Enrollment Policy and Practice." University of Utah. July, 2022. https://cherp.utah.edu/publications/research_priorities_for_advancing_equitable_dual_enrollment_policy_and_practice.hp

⁶ "Building Bridges to Postsecondary Success in Minnesota." Joyce Foundation. January, 2021. <https://www.joycefdn.org/research-reports/building-bridges-to-post-secondary-success-in-minnesota>

Appendices

Appendix A: Advanced Placement Reimbursements by District/School FY 2021

District Name and Number – School Name	AP Student Enrollment Count ⁷	Teachers Trained	Exam Expenditures	Training Expenditures	Total Expenditures
Albert School District #0241-01 - Albert Lea Senior High School	--	1	--	\$850	\$850
Alexandria District #0206-01 - Alexandria Area High School	202	1	--	\$850	\$850
Anoka-Hennepin District #0011-01 - Andover High School	950	3	\$19,714	\$2,550	\$22,264
Anoka-Hennepin District #0011-01 - Anoka High School	481	2	\$7,011	\$1,700	\$8,711
Anoka-Hennepin District #0011-01 - Blaine High School	692	--	\$30,208	--	\$30,208
Anoka-Hennepin District #0011-01 - Champlin Park High School	408	--	\$16,155	--	\$16,155
Anoka-Hennepin District #0011-01 - Coon Rapids High School	415	--	\$12,025	--	\$12,025
Bagley District #0162-01 - Bagley-Junior-Senior High	30	--	\$1,882	--	\$1,882
Becker District #0726-01 - Becker High School	82	--	\$2,766	--	\$2,766
Big Lake District #0727-01 - Big Lake High School	--	1	--	\$850	\$850
Blackduck District #0032-01 - Blackduck High School	19	--	--	--	--
Bloomington Public Schools #0271-01 - Jefferson High School	565	2	\$24,651	\$1,700	\$26,351
Bloomington Public Schools #0271-01 - Kennedy Senior High School	421	3	\$14,232	\$2,550	\$16,782
Brainerd District #0181-01 - Brainerd Senior High School	421	1	\$27,695	\$850	\$28,545
Burnsville District #0191-01 - Burnsville Senior High School	402	1	\$11,415	\$850	\$12,265
Cambridge-Isanti School Dist #0911-01 - Cambridge-Isanti High School	113	1	--	\$850	\$850

⁷ AP student enrollment count is reported by school site and includes nonpublic and home school students. [AP Course Participation](#) and [AP Exam Participation](#) sections do not include nonpublic and home school student participation data as those students are not present in the MARSS public school reporting system.

District Name and Number – School Name	AP Student Enrollment Count ⁷	Teachers Trained	Exam Expenditures	Training Expenditures	Total Expenditures
Cannon Falls District #0252-01 - Cannon Falls High School	177	2	\$5,257	\$1,700	\$6,957
Centennial District #0012-01 - Centennial High School	546	2	\$23,320	\$1,700	\$25,020
Central District #0108-01 - Central High School	67	1	\$3,045	\$850	\$3,895
Chatfield District #0227-01 - Chatfield High School	10	--	--	--	--
Chisago Lakes District #2144-01 - Chisago Lakes High School	94	1	\$3,326	\$850	\$4,176
Columbia Heights District #0013-01 - Columbia Heights High School	218	1	\$12,003	\$850	\$12,853
Cook County Public Schools #0166-01 - Cook County High School	40	--	\$2,962	--	\$2,962
Crookston District #0593-01 - Crookston High School	15	--	\$473	--	\$473
Dassel-Cokato District #0466-01 - Dassel-Cokato High School	12	--	\$420	--	\$420
Delano District #0879-01 - Delano Senior High School	210	--	\$8,839	--	\$8,839
Detroit Lakes District #0022-01 - Detroit Lakes High School	145	1	\$4,117	\$850	\$4,967
Dover-Eyota District #0533-01 - Dover-Eyota High School	22	--	--	--	--
Duluth Public Schools #0709-01 - Denfeld High School	159	--	\$5,908	--	\$5,908
Duluth Public Schools #0709-01 - East High School	221	--	\$5,849	--	\$5,849
Eagle Ridge Academy Charter School #4122-07	137	--	--	--	--
Eastern Carver County #0112-01 - Chanhassen High School	520	5	--	\$4,250	\$4,250
Eastern Carver County #0112-01 - Chaska/Chanhassen High School	456	5	--	\$4,250	\$4,250
Eden Prairie District #0272-01 - Eden Prairie High School	1,232	9	\$60,327	\$7,650	\$67,977
Edina District #0273-01 - Edina High School	1,546	7	\$81,210	\$5,950	\$87,160
Elk River District #0728-01 - Elk River High School	539	1	\$15,563	\$850	\$16,413
Elk River District #0728-01 - Rogers High School	323	--	\$11,451	--	\$11,451
Elk River District #0728-01 - Zimmerman High School	106	1	\$3,958	\$850	\$4,808

District Name and Number – School Name	AP Student Enrollment Count ⁷	Teachers Trained	Exam Expenditures	Training Expenditures	Total Expenditures
Rock Ridge School District #2909-01 - Eveleth-Gilbert Secondary	--	2	--	\$1,700	\$1,700
Fairmont Area School District #2752-01 - Fairmont High School	42	3	\$1,686	\$2,550	\$4,236
Faribault District #0656-01 - Faribault Senior High School	106	3	\$3,663	\$2,550	\$6,213
Farmington District #0192-01 - Farmington High School	466	1	\$13,215	\$850	\$14,065
Fergus Falls School District #0544-01 - Kennedy High School	18	--	\$630	--	\$630
Forest Lake District #0831-01 - Forest Lake Senior High School	343	1	\$12,436	\$850	\$13,286
Grand Meadow Public School District #0495-01	9	--	\$315	--	\$315
Harbor City International Charter #4085-07	65	1	--	\$850	\$850
Hastings District #0200-01 - Hastings High School	186	--	\$13,200	--	\$13,200
Hawley District #0150-01 - Hawley High School	24	--	\$858	--	\$858
Hopkins School District #0270-01 - Hopkins High School	850	5	\$32,541	\$4,250	\$36,791
Houston Public Schools #0294-01 - Minnesota Virtual Academy	26	1	\$1,158	\$850	\$2,008
Howard Lake-Waverly-Winsted Public School District #2687-01	35	--	--	--	--
Hutchinson District #0423-01 - Hutchinson High School*	213	--	\$9,249	--	\$9,249
Inver Grove Heights Public Schools #0199-01 - Simley High School	325	1	\$16,959	\$850	\$17,809
Jordan District #0717-01 - Jordan High School	59	--	\$1,856	--	\$1,856
Kenyon-Wanamingo District #2172-01 - Kenyon-Wanamingo High School	61	--	\$2,087	--	\$2,087
Kerkhoven-Murdock-Sunburg (KMS) #0775-01 - KMS High School	40	--	--	--	--
La Crescent School District #0300-01 - La Crescent High School	18	--	\$684	--	\$684
Lake City School District #0813-01 - Lake-City Lincoln Secondary	111	1	--	\$850	\$850
Lake Park Audubon District #2889-01 - Lake Park-Audubon High School	11	--	\$403	--	\$403
Lakeville District #0194-01 - Lakeville North High School	760	3	\$33,780	\$2,550	\$36,330

District Name and Number – School Name	AP Student Enrollment Count ⁷	Teachers Trained	Exam Expenditures	Training Expenditures	Total Expenditures
Lakeville District #0194-01 - Lakeville South High School	752	--	\$29,842	--	\$29,842
Litchfield School District #0465-01 - Litchfield Senior High School	26	--	\$788	--	\$788
Little Falls Public School District #0482-01 - Little Falls Community	9	--	\$315	--	\$315
Luverne Public School District #2184-01 - Luverne High School	30	--	\$1,050	--	\$1,050
Mahtomedi School District #0832-01 - Mahtomedi Senior High School	422	--	--	--	--
Mankato Public School District #0077-01 - Mankato East High School	270	1	\$17,034	\$850	\$17,884
Mankato Public School District #0077-01 - Mankato West High School	321	--	\$19,686	--	\$19,686
Marshall Public School District #0413-01 - Marshall Senior High School	146	--	\$6,416	--	\$6,416
Math and Science Academy Charter School #4043-07	100	1	\$5,113	\$850	\$5,963
Medford Public School District #0763-01 - Medford High School	--	1	--	\$850	\$850
Minneapolis Public School District #0001-03 - North Community	81	1	\$5,494	\$850	\$6,344
Minneapolis Public School District #0001-03 - Roosevelt High School	31	--	\$475	--	\$475
Minneapolis Public School District #0001-03 - South High School	482	2	--	\$1,700	\$1,700
Minneapolis Public School District #0001-03 - Southwest High School	561	--	\$21,616	--	\$21,616
Minneapolis Public School District #0001-03 - Washburn High School	663	1	\$28,036	\$850	\$28,886
Minneapolis Public School District #0001-03 - Wellstone International High School	52	--	--	--	--
Minnetonka School District #0276-01 - Minnetonka High School	1,700	1	\$110,583	\$850	\$111,433
Minnewaska School District #2149-01 - Minnewaska Area High School	--	1	--	\$850	\$850
Montevideo District #0129-01 - Montevideo Senior High School	27	--	\$1,088	--	\$1,088
Monticello District #0882-01 - Monticello High School	132	--	\$4,746	--	\$4,746
Mounds View School District #0621-01 - Irondale Senior High School	666	7	\$39,388	\$5,950	\$45,338

District Name and Number – School Name	AP Student Enrollment Count ⁷	Teachers Trained	Exam Expenditures	Training Expenditures	Total Expenditures
Mounds View School District #0621-01 - Mounds View High School	839	7	\$53,491	\$5,950	\$59,441
New London-Spicer School District #0345-01 - Senior High School	23	1	--	\$850	\$850
New Prague Area Schools #0721-01 - New Prague High School	135	--	\$4,481	--	\$4,481
Nonpublic - Academy of Holy Angels	279	2	\$19,705	\$1,700	\$21,405
Nonpublic - Benilde-Saint Margaret's School	359	1	\$17,044	\$850	\$17,894
Nonpublic - Blake School Northrup Campus	303	2	\$17,897	\$1,700	\$19,597
Nonpublic - Breck School	249	2	\$16,758	\$1,700	\$18,458
Nonpublic - Cathedral High School	201	1	\$7,161	\$850	\$8,011
Nonpublic - Convent of the Visitation School	174	1	\$12,094	\$850	\$12,944
Nonpublic - Cotter High School	82	1	\$2,870	\$850	\$3,720
Nonpublic - Cretin Derham Hall	362	1	\$19,437	\$850	\$20,287
Nonpublic - Cristo Rey Jesuit High School	205	--	\$12,723	--	\$12,723
Nonpublic - De La Salle High School	275	1	\$19,191	\$850	\$20,041
Nonpublic - Hill-Murray School	112	--	\$2,646	--	\$2,646
Nonpublic - International School of Minnesota	33	1	\$2,310	\$850	\$3,160
Nonpublic - Mankato Area Catholic Schools, Loyola High School	27	4	\$1,875	\$3,400	\$5,275
Nonpublic - Maranatha Christian Academy	65	2	\$1,890	\$1,700	\$3,590
Nonpublic - Marshall School	89	4	\$6,283	\$3,400	\$9,683
Nonpublic - Martin Luther High School - Northrup	1	--	\$35	--	\$35
Nonpublic - Mayer Lutheran High School	--	--	--	\$850	\$850
Nonpublic - Minnehaha Academy	172	2	--	\$1,700	\$1,700
Nonpublic - Minnesota Valley Lutheran High School	89	--	\$3,349	--	\$3,349

District Name and Number – School Name	AP Student Enrollment Count ⁷	Teachers Trained	Exam Expenditures	Training Expenditures	Total Expenditures
Nonpublic - Mounds Park Academy	114	2	\$3,975	\$1,700	\$5,675
Nonpublic - New Life Academy	67	--	\$3,465	--	\$3,465
Nonpublic - Park Christian School	49	--	\$1,715	--	\$1,715
Nonpublic - Providence Academy	66	--	\$4,060	--	\$4,060
Nonpublic - Rochester Lourdes High School	102	3	\$5,320	--	\$5,320
Nonpublic - Saint Croix Lutheran High School	224	--	\$5,145	--	\$5,145
Nonpublic - Saint Mary's High School	10	--	\$315	--	\$315
Nonpublic - Saint Paul Academy and Summit School	93	--	\$4,691	--	\$4,691
Nonpublic - Saint Thomas Academy	217	--	\$17,389	--	\$17,389
Nonpublic - Schaeffer Academy	18	--	\$1,645	--	\$1,645
Nonpublic - Shattuck-Saint Mary's School	185	2	\$7,560	\$2,024	\$9,584
Nonpublic - Southwest Christian High School	73	1	\$2,555	\$850	\$3,405
Nonpublic - Trinity School at River Ridge	3	--	\$245	--	\$245
Nonpublic - Totino-Grace High School	261	--	\$16,282	--	\$16,282
Nonpublic - West Lutheran High School	31	1	\$17,389	\$850	\$18,239
North Lakes Academy Charter #4053-07	64	5	\$2,575	\$4,250	\$6,825
North St Paul-Maplewood Oakdale Public Schools #0622-01 - North High School	--	2	--	\$1,700	\$1,700
North St Paul-Maplewood Oakdale Public Schools #0622-01 - Tartan Senior High School	454	2	\$17,116	\$1,700	\$18,816
Nova Classical Academy Charter #4098-07	92	--	\$5,146	--	\$5,146
Orono School District #0278-01 - Orono High School	494	2	\$33,848	\$1,700	\$35,548
Osseo Public School District #0279-01 - Maple Grove Senior High School	861	3	--	\$2,550	\$2,550

District Name and Number – School Name	AP Student Enrollment Count ⁷	Teachers Trained	Exam Expenditures	Training Expenditures	Total Expenditures
Osseo Public School District #0279-01 - Osseo High School	400	2	\$13,540	\$1,700	\$15,240
Osseo Public School District #0279-01 - Park Center Senior High School	409	--	--	--	--
Owatonna District #0761-01 - Owatonna High School	405	--	--	--	--
PACT Charter School #4008-07	26	1	\$735	\$850	\$1,585
Parnassus Preparatory Charter School #4199-07	45	--	--	--	--
Perham-Dent District #0549-01 - Perham High School	25	--	--	--	--
Perpich Center for Arts Education #1000-01	51	--	\$964	--	\$964
PIM Arts High School Charter #4110-07 - PIM Arts High School	69	1	--	\$850	\$850
Princeton District #0477-01 - Princeton High School	162	--	\$5,889	--	\$5,889
Prior Lake-Savage Area Schools #0719-01 - Prior Lake High School	972	2	\$46,525	--	\$46,525
Red Wing School District #0256-01 - Red Wing High School	165	--	\$5,061	--	\$5,061
Redwood Area School District #2897-01 - Redwood Valley High School	14	--	--	--	--
Richfield School District #0280-01 - Richfield Senior High School	600	1	\$13,326	\$850	\$14,176
Robbinsdale School District #0281-01 - Robbinsdale Armstrong	727	2	\$37,631	\$1,700	\$39,331
Robbinsdale School District #0281-01 - Robbinsdale Cooper	194	2	\$6,264	\$1,700	\$7,964
Rochester School District #0535-01 - Century High School	401	1	\$19,737	\$850	\$20,587
Rochester School District #0535-01 - John Marshall High School	244	3	\$14,191	\$2,550	\$16,741
Rochester School District #0535-01 - Mayo High School	304	1	\$16,735	\$850	\$17,585
Rockford School District #0883-01 - Rockford High School	27	--	\$875	--	\$875
Rosemount-Apple Valley-Eagan #0196-01 - Apple Valley High School	422	--	\$15,922	--	\$15,922
Rosemount-Apple Valley-Eagan #0196-01 - Eagan High School	1,001	1	\$34,752	\$850	\$35,602
Rosemount-Apple Valley-Eagan #0196-01 - Eastview High School	625	1	\$48,796	\$850	\$49,646

District Name and Number – School Name	AP Student Enrollment Count ⁷	Teachers Trained	Exam Expenditures	Training Expenditures	Total Expenditures
Rosemount-Apple Valley-Eagan #0196-01 - Rosemount High School	759	2	\$39,825	\$1,700	\$41,525
Rosemount-Apple Valley-Eagan #0196-01 - School of Environmental Studies	103	3	\$3,784	\$3,400	\$7,184
Roseville District #0623-01 - Roseville Area High School	685	4	\$28,737	\$3,400	\$32,137
Rush City District #0139-01 - Rush City High School	--	1	--	\$850	\$850
Rushford-Peterson Public Schools #0239-01 - Senior High School	19	1	\$88	\$850	\$938
Saint Croix Preparatory Academy Charter School #4120-07	266	4	\$14,279	--	\$14,279
Sartell-St. Stephen School District #0748-01 - Sartell High School	410	1	\$20,136	\$850	\$20,986
Sauk Rapids-Rice Public Schools #0047-01 - Sauk Rapids-Rice High School	277	--	\$12,762	--	\$12,762
Shakopee District #0720-01 - Shakopee Senior High School	1,099	1	\$37,516	\$850	\$38,366
Sibley East Public Schools #2310-01 - Sibley East High School	4	--	\$140	--	\$140
South Washington County Schools #0833-01 - East Ridge High School	563	1	\$34,087	\$850	\$34,937
South Washington County Schools #0833-01 - Park High School	336	1	--	\$850	\$850
South Washington County Schools #0833-01 - Woodbury High School	850	1	--	\$1,100	\$1,100
Spectrum Charter School #4160-07	60	--	\$1,820	--	\$1,820
Spring Lake Park Public School District #0016-01 - Spring Lake Park High School	557	--	\$20,022	--	\$20,022
St Charles District #0858-01 - Saint Charles High School	35	1	\$1,489	\$850	\$2,339
St. Anthony-New Brighton Schools #0282-01	296	2	\$12,152	\$1,700	\$13,852
St. Cloud District #0742-01 - Apollo High School	262	3	\$18,901	\$2,550	\$21,451
St. Cloud District #0742-01 - Technical High School	270	4	\$16,373	\$3,400	\$19,773
St. Francis #0015-01 - St. Francis High School	169	2	\$6,133	\$1,700	\$7,833
St. Louis Park District #0283-01 - St. Louis Park High School	1,100	--	\$21,164	--	\$21,164
St. Michael-Albertville School Dist #0885-01 - Senior High School	364	--	\$18,840	--	\$18,840

District Name and Number – School Name	AP Student Enrollment Count ⁷	Teachers Trained	Exam Expenditures	Training Expenditures	Total Expenditures
St. Paul Conservatory Performing Art Charter School #4112-07	145	1	\$5,710	\$850	\$6,560
St. Paul School District #0625-01 - Central High School ISD 625	628	2	\$22,407	\$1,700	\$24,107
St. Paul School District #0625-01 - Como Park Senior High School	279	--	--	--	--
St. Paul School District #0625-01 - Creative Arts High School	69	1	\$1,794	\$850	\$2,644
St. Paul School District #0625-01 - Humboldt Senior High School	110	--	--	--	--
St. Paul School District #0625-01 - John A Johnson High School	108	--	\$3,096	--	\$3,096
St. Paul School District #0625-01 - Open World Learning Community	99	--	\$5,433	--	\$5,433
St. Paul School District #0625-01 - Washington Technical Magnet School	66	--	\$1,643	--	\$1,643
Stillwater Area District #0834-01 - Stillwater Area Senior High School	1,160	4	\$42,221	\$3,400	\$45,621
Thief River Falls School District #0564-01 - Lincoln Senior High School	57	--	\$2,119	--	\$2,119
TrekNorth Charter School #4106-07	54	--	\$2,328	--	\$2,328
Tri-City United School District #2905-07	1	--	\$35	--	\$35
Twin Cities Academy Charter School #4132-07	60	3	--	\$2,550	\$2,550
Ubah Medical Academy Charter School #4121-07	--	2	--	\$1,700	\$1,700
Wabasha-Kellogg District #0811-01 - Wabasha-Kellogg High School	19	--	\$685	--	\$685
Waconia District #0110-01 - Waconia High School	511	1	--	\$850	\$850
Waseca District #0829-01 - Waseca High School	71	2	\$2,748	\$1,700	\$4,448
Waubun-Ogema-White Earth Public School #0435-01 - High School	3	--	\$210	--	\$210
Wayzata District #0284-01 - Wayzata High School	1,182	5	\$84,876	\$4,250	\$89,126
West St Paul-Mendota Hts-Eagan #0197-01 - Henry Sibley High School	423	--	\$15,543	--	\$15,543
Westonka District #0277-01 - Mound Westonka High School	255	1	\$14,168	\$850	\$15,018
White Bear Lake School District #0624-01 - South Campus	595	1	\$30,074	\$850	\$30,924

District Name and Number – School Name	AP Student Enrollment Count ⁷	Teachers Trained	Exam Expenditures	Training Expenditures	Total Expenditures
Willmar District #0347-01 - Willmar Senior High School	125	--	\$4,156	--	\$4,156
Winona Area District #0861-01 - Winona Senior High School	163	3	\$5,903	\$2,550	\$8,453
Worthington District #0518-01 - Worthington Senior High School	95	--	--	--	--
Totals	51,837	223	\$2,058,188	\$183,324	\$2,241,512

Appendix B: International Baccalaureate Schools and Programs by School Type FY 2021

School Type (District)	School Name	PYP	MYP	DP	CP
Charter	Global Academy	X			
Charter	Great River School			X	
Charter	Int'l Spanish Language Academy	X			
Charter	Lakes Int'l Language Academy	X	X	X	
Charter	Northeast College Prep	X			
Charter	Sejong Academy of Minnesota		X		
Private	Annunciation Catholic School	X			
Private	Rochester Arts and Sciences Academy	X			
Private	Rochester Montessori School		X		
Private	St. John's Preparatory School			X	
Public (Anoka-Hennepin)	Champlin Park High School			X	X
Public (Forest Lake)	Scandia Elementary	X			
Public (Fridley)	Fridley High School		X	X	X
Public (Fridley)	Fridley Middle School		X		
Public (Fridley)	Fridley Preschool	X			
Public (Fridley)	Hayes Elementary	X			
Public (Fridley)	Robert Louis Stevenson Elementary	X			
Public (Grand Rapids)	Grand Rapids High School			X	
Public (Hopkins)	Hopkins North Junior High School		X		
Public (Hopkins)	Hopkins West Junior High School		X		
Public (Minneapolis)	Anwatin Middle School		X		
Public (Minneapolis)	Bancroft Elementary School	X			
Public (Minneapolis)	Maria Sanford Middle School		X		
Public (Minneapolis)	Minneapolis Southwest High School		X	X	X
Public (Minneapolis)	Northeast Middle School		X		
Public (Minneapolis)	Olson Middle School		X		
Public (Minneapolis)	Park High School			X	
Public (Minneapolis)	Patrick Henry Senior High School		X	X	X
Public (Minneapolis)	Roosevelt High School		X	X	X
Public (Minneapolis)	Susan B. Anthony Middle School		X		
Public (Minneapolis)	Thomas Edison High School		X	X	

School Type (District)	School Name	PYP	MYP	DP	CP
Public (Minneapolis)	Washburn High School (Candidate)			X	0
Public (Minneapolis)	Whittier International Elementary School	X			
Public (Minnetonka)	Minnetonka High School			X	
Public (Osseo)	Park Center High School		X	X	
Public (Robbinsdale)	Cooper High School		X	X	
Public (Robbinsdale)	Lakeview Elementary	X			
Public (Robbinsdale)	Robbinsdale Middle School		X		
Public (Rockford)	Rockford High School		X	X	X
Public (Sauk Rapids-Rice)	Rice Elementary	X			
Public (South St. Paul)	Kaposia Education Center	X			
Public (South St. Paul)	Lincoln Center Elementary	X			
Public (South St. Paul)	South St. Paul Secondary		X	X	
Public (South Wash. County)	Park High School			X	
Public (St. Louis Park)	Aquila Elementary	X			
Public (St. Louis Park)	Peter Hobart Elementary	X			
Public (St. Louis Park)	St. Louis Park High School			X	
Public (St. Louis Park)	St. Louis Park Middle School		X		
Public (St. Louis Park)	Susan Lindgren Elementary	X			
Public (St. Paul)	Benjamin E. Mays International	X			
Public (St. Paul)	Central High School		X	X	
Public (St. Paul)	Harding High School		X	X	X
Public (St. Paul)	Hazel Park Preparatory Academy	X	X		
Public (St. Paul)	Hidden River Middle School		X		
Public (St. Paul)	Highland Park Elementary	X			
Public (St. Paul)	Highland Park Junior High		X		
Public (St. Paul)	Highland Park Senior High		X	X	
Public (White Bear Lake)	Matoska International	X			

Appendix C: International Baccalaureate Reimbursements by School/District FY 2021

School Name (District Number)	IB Student Enrollment Count ⁸	Teachers Trained	Exam Expenditures	Training Expenditures	Total Expenditures
Anoka-Hennepin District #0011-01	248	18	\$29,341	\$3,875	\$33,216
Fridley Public School District #0014-01	99	28	\$20,899	\$13,605	\$34,504
Grand Rapids Public School District #0318-01	27	7	\$3,954	\$1,015	\$4,969
Great River Charter School #4105-07	16	12	\$9,524	\$4,225	\$13,749
Lakes International Language Academy #4116-07	15	4	\$8,820	\$2,000	\$10,820
Minneapolis Public Schools #0001-03	443	124	\$102,277	\$39,850	\$142,127
Mnetonka Public School District #0276-01	644	4	\$65,126	\$1,290	\$66,416
Northeast College Prep #4219-07	--	9	--	\$3,790	\$3,790
Osseo Public School District #0279-01	43	9	\$16,666	\$2,370	\$19,036
Robbinsdale Public School District #0281-01	97	1	\$14,260	\$500	\$14,760
Rochester Arts and Sciences Academy (Nonpublic)	--	5	--	\$2,500	\$2,500
Rockford Public School District #0883-01	--	21	--	\$7,660	\$7,660
Sauk Rapids-Rice Public Schools #0047-01	--	32	--	\$16,000	\$16,000
South St. Paul Public School District #0006-03	187	8	\$25,450	\$850	\$26,300
South Washington County School District #0833-01	187	16	\$25,273	\$3,030	\$28,303
Saint John's Preparatory School (Nonpublic)	39	4	\$8,683	\$1,290	\$9,973
St. Louis Park Public School District #0283-01	136	27	\$20,494	\$16,845	\$37,339
St. Paul Public School District #0625-01	723	44	\$111,024	\$25,395	\$136,419
Totals	2,904	373	\$461,791	\$146,090	\$607,881

⁸ IB student enrollment count is reported by school site and includes nonpublic school students. [IB Course and Exam Participation](#) does not reflect nonpublic student participation data as those students are not present in the MARSS public school reporting system. Home school students do not access IB courses and exams.

Appendix D: PSEO State-Approved Early/Middle College Partnerships FY 2021

District	State-Approved Alternative Program (SAAP) Site	Postsecondary Institution Partner
Albert Lea Public School District	Albert Lea Area Learning Center (ALC)	Riverland Community College
Anoka-Hennepin School District	Anoka Hennepin Technical High School	Anoka Technical College
Austin Public School District	Austin Area Learning Center (ALC)	Riverland Community College
Bloomington Public School District	CHOICE Alternative High School	Hennepin Technical College
Brooklyn Center School District	Brooklyn Center Academy	Hennepin Technical College
Brooklyn Center School District	Brooklyn Center Academy	Minneapolis College
Brooklyn Center School District	Brooklyn Center Academy	North Hennepin Community College
East Central School District	Crossroads Learning Center	Pine Technical & Community College
Elk River School District	Ivan Sand Community High School	Anoka Technical College
Faribault Public School District	Faribault Area Learning Center	South Central College
Fergus Falls Public School District	Fergus Falls ALC	Minnesota State Community & Technical College
Freshwater Education District	Freshwater Education District ALC	Central Lakes College
Hinckley-Finlayson School District	Hinckley-Finlayson ALP	Pine Technical & Community College
Intermediate 287	Gateway to College (Hennepin)	Hennepin Technical College
Intermediate 917	Dakota County Area Learning Center	Dakota County Technical College
Lakeville Public School District	Lakeville Area Learning Center	Dakota County Technical College
Lakeville Public School District	Lakeville Area Learning Center	Inver Hills Community College
Mankato Public Schools	Central High Area Learning Center (ALC)	South Central College
Minneapolis Public School District	800 West Broadway	Minneapolis College
Minneapolis Public School District	Edison High School (SWS)	Minneapolis College
Minneapolis Public School District	Henry High School (SWS)	Minneapolis College
Minneapolis Public School District	Heritage (SWS)	Minneapolis College

District	State-Approved Alternative Program (SAAP) Site	Postsecondary Institution Partner
Minneapolis Public School District	Longfellow Alternative High School	Minneapolis College
Minneapolis Public School District	Loring Nicollet Alternative School (LNAS)	Minneapolis College
Minneapolis Public School District	Menlo Park Academy	Minneapolis College
Minneapolis Public School District	MERC Alternative School	Minneapolis College
Minneapolis Public School District	NaWayEe Center School	Minneapolis College
Minneapolis Public School District	PYC Arts & Tech High School	Minneapolis College
Minneapolis Public School District	Roosevelt (SWS)	Minneapolis College
Minneapolis Public School District	Southwest (SWS)	Minneapolis College
Minneapolis Public School District	Takoda Prep (American Indian OIC)	Minneapolis College
Minneapolis Public School District	Volunteers of America High School (VOAHS)	Minneapolis College
Minneapolis Public School District	Washburn (SWS)	Minneapolis College
Minneapolis Public School District	Wellstone High School (SWS)	Minneapolis College
Minneapolis Public School District	Wellstone High School (SWS)	Normandale Community College
Moorhead Public School District	Red River Area Learning Center	Minnesota State Community & Technical College-Moorhead
Mora Public School District	Mora ALC	Pine Technical & Community College
Mounds View Public School District	Mounds View ALC	Minneapolis College
NE Metro	Metro Heights Academy	Minneapolis College
Northfield Public School District	Northfield Area Learning Center (ALC)	Riverland Community College
Osseo Public School District	Osseo Area Learning Center (ALC)	Hennepin Technical College
Osseo Public School District	Osseo Area Learning Center (ALC)	North Hennepin Community College
Owatonna Public School District	Owatonna Alternative Learning Center	Riverland Community College
Owatonna Public School District	Owatonna Alternative Learning Center	South Central College
Pine City Public School District	Pine City ALC	Pine Technical & Community College

District	State-Approved Alternative Program (SAAP) Site	Postsecondary Institution Partner
Richfield Public School District	Richfield Career Education Program	Normandale Community College
River Bend Education District	River Bend Area Learning Center	South Central College
Robbinsdale Area Public Schools	Highview Alternative High School	Hennepin Technical College
Robbinsdale Area Public Schools	Highview Alternative High School	Minneapolis College
Robbinsdale Area Public Schools	Highview Alternative High School	North Hennepin Community College
Rochester Public School District	Rochester ALC	Rochester Community & Technical College
Saint Paul Public Schools	Gateway to College (Saint Paul)	St. Paul College
Southern Minnesota Education Consortium	SMEC Area Learning Center (ALC)	Riverland Community College
St. Cloud Area Schools	St. Cloud Area Learning Center (ALC)	St. Cloud Technical and Community College
Wayzata Public Schools	The Alternative Program (TAP)	Hennepin Technical College
White Bear Lake School District	White Bear Area Learning Center	Century College
Zumbro Education District	Zumbro Education District Area Learning Center (ALC)	Rochester Community & Technical College

Appendix E: PSEO Total Number of Credits and Expenditures by Institution FY 2021

Postsecondary Institution Name	Institution Type	Total Number of Credits	Amount Paid
Alexandria Technical/Community College	Community and Technical	957	\$206,903
Anoka Technical College	Technical	1,144	\$247,333
Anoka-Ramsey Community College	Community	15,635	\$3,380,287
Bemidji State University	State University	191	\$41,294
Bethany Lutheran College	Private	775	\$167,555
Bethel University	Private	4,461	\$964,468
Central Lakes College	Community and Technical	2,665	\$576,173
Century College	Community and Technical	5,046	\$1,090,945
College of St. Scholastica	Private	104	\$22,485
Concordia College	Private	208	\$44,970
Concordia University - St. Paul	Private	5,960	\$1,288,552
Crown College	Private	5,044	\$1,090,513
Dakota County Technical College	Technical	1,394	\$301,383
Dunwoody College of Technology	Private	113	\$24,431
Finishing Trades Institute	Private	44	\$9,513
Fond Du Lac Tribal and Community College	Community	1,490	\$322,138
Gustavus Adolphus College	Private	189	\$40,862
Hamline University	Private	140	\$30,268
Hennepin Technical College	Technical	2,093	\$452,507
Hibbing Community College	Community	850	\$183,770
Inver Hills Community College	Community	10,712	\$2,315,934
Itasca Community College	Community	2,200	\$475,640
Lake Superior College	Community and Technical	3,398	\$734,648
Leech Lake Tribal College	Community	19	\$4,108
Mesabi Range College	Community and Technical	585	\$126,477
Metropolitan State University	State University	735	\$158,907
Minneapolis College of Art and Design	Private	51	\$11,026
Minneapolis Community and Technical College	Community and Technical	7,684	\$1,661,281
Minnesota State College Southeast	Community and Technical Colleges	903	\$195,229

Postsecondary Institution Name	Institution Type	Total Number of Credits	Amount Paid
Minnesota State Community and Technical College, Fergus Falls	Technical Colleges	3	\$649
Minnesota State Community and Technical College, Moorhead	Community and Technical Colleges	2,406	\$520,177
Minnesota State University - Mankato	State Universities	2,047	\$442,561
Minnesota State University - Moorhead	State Universities	529	\$114,370
Minnesota West Community and Technical College	Community and Technical Colleges	1,219	\$263,548
Normandale Community College	Community	6,522	\$1,410,056
North Central University	Private	1,581	\$341,812
North Hennepin Community College	Community	4,773	\$1,031,923
Northland Community and Technical College	Community and Technical	789	\$170,582
Northwest Technical College	Technical	174	\$37,619
Oak Hills Christian College	Private	56	\$12,107
Pine Technical and Community College	Community and Technical	464	\$100,317
Rainy River Community College	Community	133	\$28,755
Red Lake Nation College	Community	49	\$10,594
Ridgewater College	Community and Technical	5,896	\$1,274,715
Riverland Community College	Community	3,284	\$709,785
Rochester Community and Technical College	Community and Technical	4,012	\$867,394
Saint Paul College	Community and Technical	6,431	\$1,390,382
South Central College	Community and Technical	3,016	\$652,059
Southwest Minnesota State University	State University	279	\$60,320
St. Catherine University	Private	288	\$62,266
St. Cloud State University	State University	6,923	\$1,496,753
St. Cloud Technical and Community College	Community and Technical	7,487	\$1,618,689
St. Mary's University of Minnesota	Private	147	\$31,781
University of Minnesota - Crookston Campus	University of Minnesota	449	\$97,074
University of Minnesota - Duluth Campus	University of Minnesota	1,578	\$341,164
University of Minnesota - Morris Campus	University of Minnesota	420	\$90,804
University of Minnesota - Twin Cities Campus	University of Minnesota	15,920	\$3,441,904
University of Northwestern - St. Paul	Private	28,698	\$6,204,508
Vermillion Community College	Community	441	\$95,344

Postsecondary Institution Name	Institution Type	Total Number of Credits	Amount Paid
White Earth Tribal and Community College	Community	33	\$7,135
Winona State University	State University	1,026	\$221,821
Totals	--	181,863	\$39,318,564

Appendix F: Concurrent Enrollment Aid Expenditures by District FY 2021

A \$4 million dollar concurrent enrollment aid appropriation supports funding of up to \$150 per eligible student. However, aid reimbursements are prorated based on total concurrent enrollment participation across the state. In FY 2021, the prorated reimbursement was \$50.48 per student per course.

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
A.C.G.C. Public School District	11	359	4	113	\$600	\$16,950	\$202	\$5,704
Ada-Borup Public School District	63	363	17	118	\$2,550	\$17,700	\$858	\$5,957
Adrian Public School District	--	117	--	29	--	\$4,350	--	\$1,464
AFSA High School	--	243	--	79	--	\$11,850	--	\$3,988
Aitkin Public School District	8	1,278	4	392	\$600	\$58,800	\$202	\$19,789
Albany Public School District	32	1,417	16	418	\$2,400	\$62,700	\$808	\$21,102
Albert Lea Public School District	--	1,964	--	592	--	\$88,800	--	\$29,885
Alden-Conger Public School District	48	713	14	265	\$2,100	\$39,750	\$707	\$13,378
Alexandria Public School District	210	3,805	70	1,256	\$10,500	\$188,400	\$3,534	\$63,406
Annandale Public School District	--	870	--	266	--	\$39,900	--	\$13,428
Anoka-Hennepin School District	308	2,851	77	828	\$11,550	\$124,200	\$3,887	\$41,799
Ashby Public School District	35	269	12	86	\$1,800	\$12,900	\$606	\$4,341
Austin Public School District	51	987	17	329	\$2,550	\$49,350	\$858	\$16,609

⁹ CTE counts and aid are a subset of the total concurrent enrollment counts and aid.

¹⁰ Enrollment counts provide a duplicated count of how many students were enrolled in concurrent enrollment courses in each district. Every course a student enrolls in generates a count for the total course count.

¹¹ Total gross aid reflects the expenditures *if concurrent enrollment was fully funded at \$150 per course per student*.

¹² Total net aid shows the actual amount of concurrent enrollment aid paid to districts.

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Badger Public School District	32	246	11	76	\$1,650	\$11,400	\$555	\$3,837
Bagley Public School District	27	597	10	188	\$1,500	\$28,200	\$505	\$9,491
Barnesville Public School District	--	542	--	149	--	\$22,350	--	\$7,522
Barnum Public School District	6	264	2	69	\$300	\$10,350	\$101	\$3,483
Battle Lake Public School District	--	406	--	127	--	\$19,050	--	\$6,411
Becker Public School District	--	963	--	312	--	\$46,800	--	\$15,750
Belgrade-Brooten-Elrosa School District	12	388	4	126	\$600	\$18,900	\$202	\$6,361
Belle Plaine Public School District	--	467	--	129	--	\$19,350	--	\$6,512
Bemidji Public School District	--	1,558	--	462	--	\$69,300	--	\$23,323
Benson Public School District	120	837	40	244	\$6,000	\$36,600	\$2,019	\$12,318
Bertha-Hewitt Public School District	15	264	5	88	\$750	\$13,200	\$252	\$4,442
Big Lake Public School District	--	1,570	--	574	--	\$86,100	--	\$28,977
Bird Island-Olivia-Lake Lillian	3	555	1	145	\$150	\$21,750	\$50	\$7,320
Blackduck Public School District	--	62	--	60	--	\$9,000	--	\$3,029
Blooming Prairie Public School District	--	483	--	147	--	\$22,050	--	\$7,421
Bloomington Public School District	850	1,884	287	595	\$43,050	\$89,250	\$14,488	\$30,037
Blue Earth Area Public School	64	662	24	206	\$3,600	\$30,900	\$1,212	\$10,399
Bluesky Charter School	--	16	--	4	--	\$600	--	\$202
Braham Public School District	13	227	7	87	\$1,050	\$13,050	\$353	\$4,392
Brainerd Public School District	87	1,130	29	318	\$4,350	\$47,700	\$1,464	\$16,053
Brandon-Evansville Public Schools	23	478	8	151	\$1,200	\$22,650	\$404	\$7,623
Breckenridge Public School District	--	406	--	136	--	\$20,400	--	\$6,866

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Brooklyn Center School District	--	286	--	84	--	\$12,600	--	\$4,241
Browerville Public School District	--	272	--	76	--	\$11,400	--	\$3,837
Buffalo Lk-Hector-Stewart Public Schools	--	179	--	43	--	\$6,450	--	\$2,171
Buffalo-Hanover-Montrose Public Schools	750	4,227	275	1,466	\$41,250	\$219,900	\$13,883	\$74,007
Burnsville Public School District	151	2,302	36	638	\$5,400	\$95,700	\$1,817	\$32,208
Butterfield Public School District	3	15	1	4	\$150	\$600	\$50	\$202
Byron Public School District	129	1,093	39	373	\$5,850	\$55,950	\$1,969	\$18,830
Caledonia Public School District	--	322	--	100	--	\$15,000	--	\$5,048
Cambridge-Isanti Public School District	--	1,857	--	522	--	\$78,300	--	\$26,352
Canby Public School District	--	404	--	135	--	\$20,250	--	\$6,815
Career Pathways	--	3	--	1	--	\$150	--	\$50
Carlton Public School District	--	194	--	53	--	\$7,950	--	\$2,676
Cass Lake-Bena Public Schools	--	114	--	38	--	\$5,700	--	\$1,918
Cedar Mountain School District	--	115	--	36	--	\$5,400	--	\$1,817
Centennial Public School District	--	339	--	85	--	\$12,750	--	\$4,291
Central Public School District	--	545	--	133	--	\$19,950	--	\$6,714
Chatfield Public Schools	--	289	--	94	--	\$14,100	--	\$4,745
Chisago Lakes School District	186	2,674	84	815	\$12,600	\$122,250	\$4,240	\$41,143
Chisholm Public School District	8	77	2	25	\$300	\$3,750	\$101	\$1,262
Chokio-Alberta Public School District	--	225	--	74	--	\$11,100	--	\$3,736
City Academy	--	61	--	19	--	\$2,850	--	\$959
Clearbrook-Gonvick School District	51	326	19	108	\$2,850	\$16,200	\$959	\$5,452

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Cleveland Public School District	7	401	2	128	\$300	\$19,200	\$101	\$6,462
Climax-Shelly Public Schools	14	73	5	25	\$750	\$3,750	\$252	\$1,262
Clinton-Graceville-Beardsley	30	317	11	95	\$1,650	\$14,250	\$555	\$4,796
Cloquet Public School District	177	2,147	59	626	\$8,850	\$93,900	\$2,978	\$31,602
Columbia Heights Public School District	--	709	--	218	--	\$32,700	--	\$11,005
Comfrey Public School District	--	16	--	4	--	\$600	--	\$202
Community Of Peace Academy	--	140	--	42	--	\$6,300	--	\$2,120
Community School Of Excellence	10	10	5	5	\$750	\$750	\$252	\$252
Cook County Public Schools	--	66	--	22	--	\$3,300	--	\$1,111
Crookston Public School District	--	559	--	171	--	\$25,650	--	\$8,632
Crosby-Ironton Public School District	49	1,333	32	417	\$4,800	\$62,550	\$1,615	\$21,051
Dassel-Cokato Public School District	24	1,164	8	406	\$1,200	\$60,900	\$404	\$20,496
Dawson-Boyd Public School District	--	289	--	83	--	\$12,450	--	\$4,190
Deer River Public School District	26	289	10	84	\$1,500	\$12,600	\$505	\$4,241
Delano Public School District	--	1,304	--	400	--	\$60,000	--	\$20,193
Detroit Lakes Public School District	--	1,398	--	391	--	\$58,650	--	\$19,739
Dilworth-Glyndon-Felton	--	1,122	--	337	--	\$50,550	--	\$17,012
Dover-Eyota Public School District	--	583	--	157	--	\$23,550	--	\$7,926
Duluth Public School District	274	5,550	115	1,473	\$17,250	\$220,950	\$5,805	\$74,360
East Central School District	74	383	22	128	\$3,300	\$19,200	\$1,111	\$6,462
East Grand Forks Public School District	--	1,159	--	359	--	\$53,850	--	\$18,123
Eastern Carver County Public School	133	173	35	45	\$5,250	\$6,750	\$1,767	\$2,272

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Eden Prairie Public School District	89	1,829	26	380	\$3,900	\$57,000	\$1,313	\$19,183
Eden Valley-Watkins School District	--	803	--	271	--	\$40,650	--	\$13,681
Edgerton Public School District	--	448	--	136	--	\$20,400	--	\$6,866
Edina Public School District	6	609	2	174	\$300	\$26,100	\$101	\$8,784
El Colegio Charter School	--	21	--	7	--	\$1,050	--	\$353
Elk River School District	40	3,483	20	953	\$3,000	\$142,950	\$1,010	\$48,109
Ellsworth Public School District	--	4	--	1	--	\$150	--	\$50
Esko Public School District	--	1,288	--	387	--	\$58,050	--	\$19,537
Fairmont Area School District	205	1,942	55	564	\$8,250	\$84,600	\$2,777	\$28,472
Faribault Public School District	20	516	10	164	\$1,500	\$24,600	\$505	\$8,279
Farmington Public School District	221	1,876	70	538	\$10,500	\$80,700	\$3,534	\$27,159
Fergus Falls Public School District	--	1,424	--	451	--	\$67,650	--	\$22,767
Fertile-Beltrami School District	--	648	--	224	--	\$33,600	--	\$11,308
Fillmore Central	--	248	--	75	--	\$11,250	--	\$3,786
Fisher Public School District	29	196	9	60	\$1,350	\$9,000	\$454	\$3,029
Foley Public School District	--	1,732	--	505	--	\$75,750	--	\$25,493
Forest Lake Public School District	1,172	2,210	378	661	\$56,700	\$99,150	\$19,082	\$33,369
Fosston Public School District	3	433	1	128	\$150	\$19,200	\$50	\$6,462
Frazee-Vergas Public School District	36	768	10	229	\$1,500	\$34,350	\$505	\$11,560
Fridley Public School District	147	243	39	63	\$5,850	\$9,450	\$1,969	\$3,180
Fulda Public School District	11	359	--	113	--	\$16,950	--	\$5,704
G.F.W.	--	444	--	148	--	\$22,200	--	\$7,471

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Glencoe-Silver Lake School District	--	644	--	204	--	\$30,600	--	\$10,298
Goodhue Public School District	24	159	8	53	\$1,200	\$7,950	\$404	\$2,676
Goodridge Public School District	11	110	3	35	\$450	\$5,250	\$151	\$1,767
Granada Huntley East Chain	--	56	--	15	--	\$2,250	--	\$757
Grand Meadow Public School District	--	162	--	53	--	\$7,950	--	\$2,676
Grand Rapids Public School District	22	1,146	8	326	\$1,200	\$48,900	\$404	\$16,457
Greenbush-Middle River School District	47	150	13	46	\$1,950	\$6,900	\$656	\$2,322
Greenway Public School District	47	353	19	106	\$2,850	\$15,900	\$959	\$5,351
Grygla Public School District	29	149	10	50	\$1,500	\$7,500	\$505	\$2,524
Hancock Public School District	180	675	60	222	\$9,000	\$33,300	\$3,029	\$11,207
Harbor City International Charter	--	256	--	73	--	\$10,950	--	\$3,685
Hastings Public School District	100	1,620	25	478	\$3,750	\$71,700	\$1,262	\$24,130
Hawley Public School District	70	1,086	23	369	\$3,450	\$55,350	\$1,161	\$18,628
Hayfield Public School District	147	1,115	53	324	\$7,950	\$48,600	\$2,676	\$16,356
Henning Public School District	69	141	23	47	\$3,450	\$7,050	\$1,161	\$2,373
Hermantown Public School District	34	1,546	17	412	\$2,550	\$61,800	\$858	\$20,799
Heron Lake-Okabena School District	--	190	--	66	--	\$9,900	--	\$3,332
Hibbing Public School District	74	874	26	280	\$3,900	\$42,000	\$1,313	\$14,135
Hill City Public School District	2	6	1	2	\$150	\$300	\$50	\$101
Hinckley-Finlayson School District	26	653	17	205	\$2,550	\$30,750	\$858	\$10,349
Hmong College Prep Academy	--	117	--	32	--	\$4,800	--	\$1,615
Holdingford Public School District	4	900	2	289	\$300	\$43,350	\$101	\$14,589

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Hopkins Public School District	--	1,936	--	398	--	\$59,700	--	\$20,092
Houston Public School District	--	6	--	2	--	\$300	--	\$101
Howard Lake-Waverly-Winsted	72	147	96	118	\$14,400	\$17,700	\$4,846	\$5,957
Hutchinson Public School District	--	557	--	183	--	\$27,450	--	\$9,238
International Falls School District	--	703	--	222	--	\$33,300	--	\$11,207
Inver Grove Heights Schools	254	1,282	60	379	\$9,000	\$56,850	\$3,029	\$19,133
Isle Public School District	11	89	4	26	\$600	\$3,900	\$202	\$1,313
Jackson County Central School District	116	648	29	170	\$4,350	\$25,500	\$1,464	\$8,582
Janesville-Waldorf-Pemberton	36	235	11	72	\$1,650	\$10,800	\$555	\$3,635
Jordan Public School District	142	937	38	291	\$5,700	\$43,650	\$1,918	\$14,690
Kasson-Mantorville School District	--	1,177	--	473	--	\$70,950	--	\$23,878
Kelliher Public School District	11	56	3	18	\$450	\$2,700	\$151	\$909
Kenyon-Wanamingo School District	--	144	--	43	--	\$6,450	--	\$2,171
Kerkhoven-Murdock-Sunburg	30	179	10	56	\$1,500	\$8,400	\$505	\$2,827
Kimball Public School District	80	251	30	75	\$4,500	\$11,250	\$1,514	\$3,786
Kingsland Public School District	--	591	--	180	--	\$27,000	--	\$9,087
Kittson Central School District	6	176	2	59	\$300	\$8,850	\$101	\$2,978
La Crescent-Hokah School District	--	149	--	37	--	\$5,550	--	\$1,868
Lac Qui Parle Valley School District	--	474	--	156	--	\$23,400	--	\$7,875
Lake City Public School District	--	135	--	45	--	\$6,750	--	\$2,272
Lake Crystal-Wellcome Memorial	7	228	2	60	\$300	\$9,000	\$101	\$3,029
Lake Of The Woods School District	12	330	4	106	\$600	\$15,900	\$202	\$5,351

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Lake Park Audubon School District	--	240	--	68	--	\$10,200	--	\$3,433
Lake Superior Public School District	--	674	--	164	--	\$24,600	--	\$8,279
Lakeview School District	--	340	--	109	--	\$16,350	--	\$5,503
Lakeville Public School District	--	1,172	--	453	--	\$67,950	--	\$22,868
Lancaster Public School District	19	94	6	31	\$900	\$4,650	\$303	\$1,565
Lanesboro Public School District	--	180	--	48	--	\$7,200	--	\$2,423
Laporte Public School District	6	28	2	9	\$300	\$1,350	\$101	\$454
Le Sueur-Henderson School District	53	229	15	65	\$2,250	\$9,750	\$757	\$3,281
Leroy-Ostrander Public Schools	8	28	2	9	\$300	\$1,350	\$101	\$454
Lester Prairie Public School District	--	211	--	46	--	\$6,900	--	\$2,322
Lewiston-Altura Public School District	--	135	--	37	--	\$5,550	--	\$1,868
Litchfield Public School District	--	1,256	--	338	--	\$50,700	--	\$17,063
Little Falls Public School District	30	1,532	10	418	\$1,500	\$62,700	\$505	\$21,102
Littlefork-Big Falls School District	--	33	--	11	--	\$1,650	--	\$555
Long Prairie-Grey Eagle School District	--	1,136	--	332	--	\$49,800	--	\$16,760
Luverne Public School District	--	869	--	254	--	\$38,100	--	\$12,822
Lyle Public School District	64	118	16	34	\$2,400	\$5,100	\$808	\$1,716
Maccray School District	44	518	19	169	\$2,850	\$25,350	\$959	\$8,531
Madelia Public School District	14	209	4	57	\$600	\$8,550	\$202	\$2,877
Mahnomen Public School District	--	126	--	42	--	\$6,300	--	\$2,120
Mahtomedi Public School District	--	1,210	--	266	--	\$39,900	--	\$13,428
Mankato Public School District	--	12	--	4	--	\$600	--	\$202

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Maple Lake Public School District	--	673	--	185	--	\$27,750	--	\$9,339
Maple River School District	128	546	36	149	\$5,400	\$22,350	\$1,817	\$7,522
Marshall County Central Schools	31	415	12	136	\$1,800	\$20,400	\$606	\$6,866
Marshall Public School District	56	632	28	236	\$4,200	\$35,400	\$1,413	\$11,914
Martin County West School District	102	608	28	165	\$4,200	\$24,750	\$1,413	\$8,330
Mcgregor Public School District	--	21	--	7	--	\$1,050	--	\$353
Medford Public School District	192	777	64	239	\$9,600	\$35,850	\$3,231	\$12,065
Melrose Public School District	60	2,076	30	632	\$4,500	\$94,800	\$1,514	\$31,905
Menahga Public School District	--	357	--	113	--	\$16,950	--	\$5,704
Mesabi East School District	--	468	--	126	--	\$18,900	--	\$6,361
Milaca Public School District	78	1,084	45	409	\$6,750	\$61,350	\$2,272	\$20,647
Minneapolis Public School District	355	2,958	120	794	\$18,000	\$119,100	\$6,058	\$40,083
Minneota Public School District	99	349	32	101	\$4,800	\$15,150	\$1,615	\$5,099
Minnesota Math And Science Academy	--	32	--	8	--	\$1,200	--	\$404
Minnetonka Public School District	--	337	--	69	--	\$10,350	--	\$3,483
Minnewaska School District	12	1,206	4	357	\$600	\$53,550	\$202	\$18,022
Montevideo Public School District	10	662	3	182	\$450	\$27,300	\$151	\$9,188
Monticello Public School District	157	2,956	54	934	\$8,100	\$140,100	\$2,726	\$47,150
Moorhead Public School District	--	786	--	217	--	\$32,550	--	\$10,955
Moose Lake Public School District	--	119	--	29	--	\$4,350	--	\$1,464
Mora Public School District	7	725	7	186	\$1,050	\$27,900	\$353	\$9,390
Morris Area Public Schools	--	713	--	197	--	\$29,550	--	\$9,945

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Mounds View Public School District	544	10,472	144	2,822	\$21,600	\$423,300	\$7,269	\$142,461
Mountain Iron-Buhl School District	--	266	--	82	--	\$12,300	--	\$4,140
Mountain Lake Public Schools	--	91	--	33	--	\$4,950	--	\$1,666
Murray County Central School District	--	449	--	134	--	\$20,100	--	\$6,765
Nashwauk-Keewatin School District	24	488	6	150	\$900	\$22,500	\$303	\$7,572
Nevis Public School District	33	528	11	165	\$1,650	\$24,750	\$555	\$8,330
New London-Spicer School District	36	849	16	254	\$2,400	\$38,100	\$808	\$12,822
New Prague Area Schools	84	2,493	21	730	\$3,150	\$109,500	\$1,060	\$36,852
New Ulm Public School District	--	740	--	216	--	\$32,400	--	\$10,904
New York Mills Public School District	--	383	--	122	--	\$18,300	--	\$6,159
Nicollet Public School District	--	399	--	123	--	\$18,450	--	\$6,209
Norman County East School District	6	127	2	42	\$300	\$6,300	\$101	\$2,120
North Branch Public Schools	33	1,163	11	302	\$1,650	\$45,300	\$555	\$15,246
North Lakes Academy	--	64	--	16	--	\$2,400	--	\$808
North St. Paul-Maplewood Oakdale	--	1,840	--	523	--	\$78,450	--	\$26,402
Northfield Public School District	39	479	13	123	\$1,950	\$18,450	\$656	\$6,209
Northland Community Schools	4	98	2	31	\$300	\$4,650	\$101	\$1,565
Nova Classical Academy	--	200	--	48	--	\$7,200	--	\$2,423
Nrheg School District	42	517	12	156	\$1,800	\$23,400	\$606	\$7,875
Ogilvie Public School District	36	96	22	42	\$3,300	\$6,300	\$1,111	\$2,120
Onamia Public School District	--	152	--	65	--	\$9,750	--	\$3,281
Orono Public School District	73	102	21	31	\$3,150	\$4,650	\$1,060	\$1,565

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Ortonville Public Schools	--	48	--	11	--	\$1,650	--	\$555
Osakis Public School District	135	1,814	45	583	\$6,750	\$87,450	\$2,272	\$29,431
Osseo Public School District	21	528	7	187	\$1,050	\$28,050	\$353	\$9,440
Owatonna Public School District	28	2,592	7	702	\$1,050	\$105,300	\$353	\$35,438
Park Rapids Public School District	36	886	12	315	\$1,800	\$47,250	\$606	\$15,902
Parkers Prairie Public School District	4	639	1	193	\$150	\$28,950	\$50	\$9,743
Parnassus Preparatory Charter Sch	--	200	--	43	--	\$6,450	--	\$2,171
Paynesville Public School District	71	656	25	228	\$3,750	\$34,200	\$1,262	\$11,510
Pelican Rapids Public School District	--	236	--	74	--	\$11,100	--	\$3,736
Pequot Lakes Public Schools	205	2,781	82	892	\$12,300	\$133,800	\$4,140	\$45,030
Perham-Dent Public School District	--	361	--	137	--	\$20,550	--	\$6,916
Pierz Public School District	199	1,649	87	573	\$13,050	\$85,950	\$4,392	\$28,926
Pillager Public School District	144	1,100	48	359	\$7,200	\$53,850	\$2,423	\$18,123
Pine City Public School District	106	1,216	40	337	\$6,000	\$50,550	\$2,019	\$17,012
Pine Island Public School District	73	772	22	283	\$3,300	\$42,450	\$1,111	\$14,286
Pine River-Backus School District	62	1,247	21	452	\$3,150	\$67,800	\$1,060	\$22,818
Pipestone Area School District	--	559	--	149	--	\$22,350	--	\$7,522
Plainview-Elgin-Millville	42	1,061	14	290	\$2,100	\$43,500	\$707	\$14,640
Princeton Public School District	--	952	--	244	--	\$36,600	--	\$12,318
Prior Lake-Savage Area Schools	712	4,171	227	1,160	\$34,050	\$174,000	\$11,459	\$58,559
Proctor Public School District	--	1,350	--	384	--	\$57,600	--	\$19,385
Red Lake County Central Public Sch	95	737	33	239	\$4,950	\$35,850	\$1,666	\$12,065

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Red Lake Falls Public School District	50	380	16	125	\$2,400	\$18,750	\$808	\$6,310
Red Rock Central School District	--	116	--	36	--	\$5,400	--	\$1,817
Red Wing Public School District	--	1,297	--	386	--	\$57,900	--	\$19,486
Redwood Area School District	--	432	--	149	--	\$22,350	--	\$7,522
Renville County West School District	8	276	2	76	\$300	\$11,400	\$101	\$3,837
Richfield Public School District	--	2,284	--	713	--	\$106,950	--	\$35,994
Rochester Public School District	107	2,538	30	745	\$4,500	\$111,750	\$1,514	\$37,609
Rock Ridge Public Schools	6	2,196	3	623	\$450	\$93,450	\$151	\$31,450
Rockford Public School District	--	707	--	215	--	\$32,250	--	\$10,854
Rocori Public School District	120	3,292	49	995	\$7,350	\$149,250	\$2,474	\$50,230
Roseau Public School District	--	1,100	--	320	--	\$48,000	--	\$16,154
Rosemount-Apple Valley-Eagan	325	7,933	71	1,865	\$10,650	\$279,750	\$3,584	\$94,149
Roseville Public School District	237	994	100	326	\$15,000	\$48,900	\$5,048	\$16,457
Rothsay Public School District	--	36	--	9	--	\$1,350	--	\$454
Royalton Public School District	24	353	8	99	\$1,200	\$14,850	\$404	\$4,998
Rtr Public Schools	--	482	--	154	--	\$23,100	--	\$7,774
Rush City Public School District	105	519	43	165	\$6,450	\$24,750	\$2,171	\$8,330
Rushford-Peterson Public Schools	--	282	--	94	--	\$14,100	--	\$4,745
Sartell-St. Stephen School District	298	3,345	291	1,156	\$43,650	\$173,400	\$14,690	\$58,357
Sauk Centre Public School District	24	1,440	12	412	\$1,800	\$61,800	\$606	\$20,799
Sauk Rapids-Rice Public Schools	--	1,039	--	260	--	\$39,000	--	\$13,125
Sebeka Public School District	30	393	10	123	\$1,500	\$18,450	\$505	\$6,209

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Shakopee Public School District	897	3,654	261	1,035	\$39,150	\$155,250	\$13,176	\$52,249
Sibley East School District	--	665	--	211	--	\$31,650	--	\$10,652
Sleepy Eye Public School District	--	274	--	82	--	\$12,300	--	\$4,140
South Koochiching School District	4	67	1	22	\$150	\$3,300	\$50	\$1,111
South St. Paul Public School District	--	24	--	8	--	\$1,200	--	\$404
South Washington County School District	--	2,295	--	580	--	\$87,000	--	\$29,280
Southland Public School District	--	125	--	47	--	\$7,050	--	\$2,373
Spectrum High School	314	2,218	93	617	\$13,950	\$92,550	\$4,695	\$31,147
Spring Grove School District	--	90	--	30	--	\$4,500	--	\$1,514
Spring Lake Park Public Schools	160	1,419	40	367	\$6,000	\$55,050	\$2,019	\$18,527
Springfield Public School District	--	33	--	11	--	\$1,650	--	\$555
St. Anthony-New Brighton Schools	--	535	--	118	--	\$17,700	--	\$5,957
St. Charles Public School District	--	222	--	62	--	\$9,300	--	\$3,130
St. Clair Public School District	35	966	10	274	\$1,500	\$41,100	\$505	\$13,832
St. Cloud Public School District	88	1,182	22	297	\$3,300	\$44,550	\$1,111	\$14,993
St. Francis Area Schools	--	706	--	216	--	\$32,400	--	\$10,904
St. James Public School District	94	366	28	103	\$4,200	\$15,450	\$1,413	\$5,200
St. Louis County School District	66	1,742	29	545	\$4,350	\$81,750	\$1,464	\$27,513
St. Louis Park Public School District	--	140	--	35	--	\$5,250	--	\$1,767
St. Michael-Albertville School District	--	1,108	--	277	--	\$41,550	--	\$13,984
St. Paul Public School District	336	4,650	127	1,293	\$19,050	\$193,950	\$6,411	\$65,273
St. Peter Public School District	248	1,570	69	424	\$10,350	\$63,600	\$3,483	\$21,404

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Staples-Motley School District	143	748	55	268	\$8,250	\$40,200	\$2,777	\$13,529
Stephen-Argyle Central Schools	55	706	19	251	\$2,850	\$37,650	\$959	\$12,671
Stewartville Public School District	37	1,637	14	474	\$2,100	\$71,100	\$707	\$23,929
Stillwater Area Public School District	--	698	--	264	--	\$39,600	--	\$13,327
Swanville Public School District	--	287	--	92	--	\$13,800	--	\$4,644
Thief River Falls School District	24	665	6	217	\$900	\$32,550	\$303	\$10,955
Tracy Area Public School District	--	381	--	110	--	\$16,500	--	\$5,553
Treknorth High School	3	39	1	12	\$150	\$1,800	\$50	\$606
Tri-City United School District	55	1,470	14	392	\$2,100	\$58,800	\$707	\$19,789
Tri-County School District	6	63	2	23	\$300	\$3,450	\$101	\$1,161
Triton School District	52	622	13	176	\$1,950	\$26,400	\$656	\$8,885
Truman Public School District	12	52	4	12	\$600	\$1,800	\$202	\$606
Twin Cities Academy	--	60	--	15	--	\$2,250	--	\$757
Ubah Medical Academy Charter School	--	393	--	102	--	\$15,300	--	\$5,149
Ulen-Hitterdal Public School District	--	316	--	96	--	\$14,400	--	\$4,846
Underwood Public School District	18	473	6	161	\$900	\$24,150	\$303	\$8,128
United South Central School District	55	735	15	224	\$2,250	\$33,600	\$757	\$11,308
Upsala Public School District	--	1,156	--	362	--	\$54,300	--	\$18,275
Verndale Public School District	--	286	--	104	--	\$15,600	--	\$5,250
Voyageurs Expeditionary	--	5	--	2	--	\$300	--	\$101
Wabasha-Kellogg Public School District	--	92	--	24	--	\$3,600	--	\$1,212
Wabasso Public School District	30	531	15	162	\$2,250	\$24,300	\$757	\$8,178

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Waconia Public School District	--	997	--	252	--	\$37,800	--	\$12,722
Wadena-Deer Creek School District	--	530	--	143	--	\$21,450	--	\$7,219
Walker-Hackensack-Akeley Schl. District	28	385	9	123	\$1,350	\$18,450	\$454	\$6,209
Warren-Alvarado-Oslo School District	27	401	10	123	\$1,500	\$18,450	\$505	\$6,209
Warroad Public School District	--	371	--	100	--	\$15,000	--	\$5,048
Waseca Public School District	151	599	46	168	\$6,900	\$25,200	\$2,322	\$8,481
Watertown-Mayer Public School District	--	1,687	--	490	--	\$73,500	--	\$24,736
Waterville-Elysian-Morristown	--	410	--	124	--	\$18,600	--	\$6,260
Waubun-Ogema-White Earth Public Sch	34	139	12	48	\$1,800	\$7,200	\$606	\$2,423
Wayzata Public School District	1,321	1,333	420	424	\$63,000	\$63,600	\$21,202	\$21,404
West Central Area	--	59	--	25	--	\$3,750	--	\$1,262
West St. Paul-Mendota Heights-Eagan	--	1,586	--	399	--	\$59,850	--	\$20,142
Westbrook-Walnut Grove Schools	--	215	--	79	--	\$11,850	--	\$3,988
Westonka Public School District	--	421	--	86	--	\$12,900	--	\$4,341
Wheaton Area Public School District	--	268	--	78	--	\$11,700	--	\$3,938
White Bear Lake School District	772	2,496	294	731	\$44,100	\$109,650	\$14,842	\$36,902
Willmar Public School District	18	735	6	186	\$900	\$27,900	\$303	\$9,390
Willow River Public School District	--	176	--	55	--	\$8,250	--	\$2,777
Windom Public School District	--	757	--	221	--	\$33,150	--	\$11,157
Win-E-Mac School District	72	773	22	262	\$3,300	\$39,300	\$1,111	\$13,226
Winona Area Public School District	92	444	23	118	\$3,450	\$17,700	\$1,161	\$5,957
Worthington Public School District	230	772	93	275	\$13,950	\$41,250	\$4,695	\$13,883

District / Charter School Name	CTE Credit Count ⁹	Total Credit Count	CTE Enroll. Count	Total Enroll. Count ¹⁰	CTE Gross Aid	Total Gross Aid ¹¹	CTE Net Aid	Total Net Aid ¹²
Wrenshall Public School District	--	57	--	19	--	\$2,850	--	\$959
Yellow Medicine East	--	407	--	109	--	\$16,350	--	\$5,503
Zumbrota-Mazeppa School District	--	267	--	85	--	\$12,750	--	\$4,291
Totals	18,968	268,023	6,539	79,236	\$980,850	\$11,885,400	\$330,102	\$4,000,000

Appendix G: Concurrent Enrollment Total Number of Credits and Course Enrollments by Institution FY 2021

Postsecondary Institution Name	Institution Type	Total Number of Courses	Total Number of Credits
Alexandria Technical and Community College	Community and Technical	2,577	7,877
Anoka Technical College	Technical	18	63
Anoka-Ramsey Community College	Community	4,456	16,351
Bemidji State University	State University	825	2,779
Central Lakes College	Community and Technical	7,777	22,906
Century College	Community and Technical	541	1,217
Dakota County Technical College	Technical	87	251
Fond Du Lac Tribal and Community College	Community	3,180	10,954
Hennepin Technical College	Technical	1,094	3,237
Hibbing Community College	Community	244	768
Inver Hills Community College	Community	716	2,677
Itasca Community College	Community	590	1,875
Lake Superior College	Community and Technical	2,408	8,547
Mesabi Range College	Community and Technical	364	1,227
Metropolitan State University	State University	8	24
Minneapolis Community and Technical College	Community and Technical	480	1,642
Minnesota State College Southeast	Community and Technical	665	2,222
Minnesota State Community and Technical College	Community and Technical	5,054	16,682
Minnesota State University – Mankato	State University	2,143	7,872
Minnesota West Community and Technical College	Community and Technical	1,853	6,110
Normandale Community College	Community	2,089	7,432
North Hennepin Community College	Community	830	2,404
Northland Community and Technical College	Community and Technical	1,477	4,520
Northwest Technical College	Technical	320	934
Pine Technical and Community College	Community and Technical	1,964	6,474
Ridgewater College	Community and Technical	233	752
Riverland Community College	Community	2,533	8,191
Rochester Community and Technical College	Community and Technical	559	2,006

Postsecondary Institution Name	Institution Type	Total Number of Courses	Total Number of Credits
Saint Paul College	Community and Technical	687	2,348
South Central College	Community and Technical	241	856
Southwest Minnesota State University	State University	11,656	38,077
St. Cloud State University	State University	4,420	14,781
St. Cloud Technical and Community College	Community and Technical	503	699
University of Minnesota – Crookston Campus	University of Minnesota	1,747	5,668
University of Minnesota – Duluth Campus	University of Minnesota	1,784	6,187
University of Minnesota – Twin Cities Campus	University of Minnesota	12,498	49,297
Vermilion Community College	Community	615	2,116
Totals	--	79,236	268,023