
OREGON

CLASS SIZE REPORTING

2017-18 Policy and Technical Manual



OREGON
**DEPARTMENT OF
EDUCATION**

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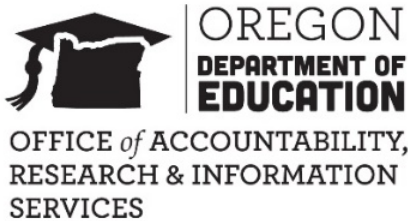
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INTRODUCTION

Historically, Class Size has been reported in a number of different places. From 1997 to 2006, it was part of the Database Initiative (DBI) reports (now [archived](#)). From 2002-03 to 2011-12, Elementary Class Size was reported on [School and District Report Cards](#). In 2012, the [statute](#) governing school and district report cards was amended, and Class Size was removed as a required element of the school and district report cards. Also in 2012-13, the [Class Size collection](#), which was an aggregate collection containing, by classroom and class period, the total number of male and female students enrolled in elementary self-contained classes on a single day, was retired.

In 2010-11, the [Class Roster](#) collection was created as part of Oregon's obligations under federal law (American Recovery and Reinvestment Act's State Fiscal Stabilization Fund). The collection includes individual student and teacher level data for an entire school year. Initially, this collection included only reading and mathematics courses in grades 3-8 and 11, but in 2013-14, it was expanded to include all instructional courses. Also in 2013, [HB 2644](#) established class size reporting requirements for the Oregon Department of Education. In 2014-15, the Class Roster collection was expanded with new data elements to facilitate this reporting, and the OAR governing Class Size reporting ([OAR 581-002-0200](#)) was adopted by the [State Board of Education](#).

Beginning in 2014-15, the Oregon Department of Education produced and reported class size data for all subjects. A summary of these data appears on school and district report cards, and a more detailed report will be available on the [Class Size Report](#) website at <http://www.oregon.gov/ode/reports-and-data/Pages/Class-Size-Report.aspx>.

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DATA SOURCE

The primary data source for the Class Size Report is the [Class Roster](#) collection. A single class roster record links together a student, teacher, and course section, including the dates of enrollment/assignment for the student and teacher, the course subject, the classroom, and class period in which the instruction occurred.

While Class Roster includes Instructional Unit ID numbers, classes are not determined in relation to IUID numbers or school section numbers. A class is specifically identified as a unique combination of classroom ID, class period ID, and school ID. More than one course can be occurring at the same time within the same classroom, which means multiple course identifiers can be associated with a single class. Course subjects are identified using [NCES Course Codes](#). The NCES course codes adopted for 1718 have changed significantly from last school year as shown in Appendices A, B, and C.

All records indicating enrollment on the first school day in May are included in the class size calculation.

Validation of these data occurs through the [Achievement Data Insight application](#). See the May 31 training listed at [the video training schedule for 1718](#) for information on how to use this application.

CALCULATION PROCESS

DETAIL

1. Select all records for instruction occurring on the first school day in May, excluding non-instructional courses. Non-Instructional courses are non-core subject courses that do not have curricula. Historically this exclusion has been limited to instructional aides. However, instructional aide courses were discontinued in 1718 and should not have been reported in Class Roster.
2. Determine the course subject area. For classes with one course code, use the subject area associated with that code. For classes with more than one course code:
 - a. If the course codes are all in the same subject area, the subject area is that subject area.
 - b. If the course codes are all self-contained classes of different grade levels, the subject area is “Blended Classroom.”
 - c. If the course codes are of different subject areas, and at least one course is not self-contained, the subject area is “Multiple Subjects.”
3. Determine whether the class should be included in reporting for this school. Some courses may be displayed at the detail level but not included in the summary (aggregate) level or in public reporting.
 - a. Courses are included in reporting if:

- i. They are in a core subject area (English Language Arts, Mathematics, Science, Social Studies, World Language and Literature, Fine and Performing Arts), or they are a self-contained course **and either**
 - ii. All of the Alternative Education flags (in IUID) associated with the course are 'N' **or** the course is offered by an alternative school.
- b. See Appendix A (page 7) for a list of included courses.
4. Count the total number of teachers and students associated with the class on the first school day in May.

Subject Area: The general subject or grade level being taught within the class. This field is used for aggregation, although not all subject areas will be aggregated.

Inclusion Flag: Indicates whether this course is part of the aggregations.

SUMMARY

Core Subject Area: The general subject area reported on this row. The following Core Subject Areas will be reported for all institutions, although institutions may see blank rows for subjects that they do not offer:

- All Subjects/Grades: These rows include all reportable classes at the institution.
- Total Self-Contained: These rows include all self-contained or blended classes at the institution.
 - Kindergarten, Grade 1, Grade 2...Grade 8: These rows include classes reported with a single, self-contained grade-level course code. See page 7 for a list of codes in these subjects.
 - Blended Classroom: These rows include classes reported with multiple grade-level course codes, all of which were self-contained.
- Total Departmentalized: These rows include all instructional classes at the institution that were reported with at least one course code that was not self-contained. See page 7 for a list of codes included in these subjects.
 - English Language Arts, Math, Science, Social Studies, World Language and Literature, Fine and Performing Arts: These rows include all instructional classes at the institution that were reported with course codes in these subject areas. See page 7 for a list of codes in these subjects.
 - Multiple Subjects: These rows include all instructional classes that were reported with more than one subject area where at least one course within the class was not self-contained.

Grade Level: The grade span of the institution where the course is offered. This column is only populated for district-total rows. It is used to identify class size data by subject area for school and district report cards.

- E: Courses offered at an Elementary School
- M: Courses offered at a Middle School
- H: Courses offered at a High School
- C: Courses offered at a Combined School (a school offering high school grades, as well as grade 7 or lower)

Classes of 1 to 15: The total number of classes that meet the inclusion criteria and have 15 or fewer students enrolled on the first school day of May.

Classes of 16 to 25: The total number of classes that meet the inclusion criteria and have 16 to 25 students enrolled on the first school day of May.

Classes of 26 to 35: The total number of classes that meet the inclusion criteria and have 26 to 35 students enrolled on the first school day of May.

Classes of 36 to 45: The total number of classes that meet the inclusion criteria and have 36 to 45 students enrolled on the first school day of May.

Classes of 46 to 55: The total number of classes that meet the inclusion criteria and have 46 to 55 students enrolled on the first school day of May.

Classes of 56 or more: The total number of classes that meet the inclusion criteria and have at least 56 students enrolled on the first school day of May.

Average Class Size: The average size of the classes meeting the inclusion criteria on the first school day of May, calculated by summing the sizes of all the classes and dividing by the total number of classes.

Median Class Size: The median size of the classes meeting the inclusion criteria on the first school day of May. The median is the middle number in an ordered list. If there is an even number of classes in a particular grouping, the median is the average of the two middle values.

Total Students: The total number of students enrolled in courses on the first school day of May. Students are counted only once even if they are enrolled in more than one of the listed type of course.

Total Teachers: The total number of teachers assigned to courses on the first school day of May. Teachers are counted only once even if they are teaching more than one of the listed type of course.

Unreported Students: The total number of students who are in the spring membership extract as attending the listed school or district, but were not reported as enrolled in any instructional classes on the first school day of May in Class Roster. These values are only included on total rows (All Grades and Subjects) for quality checking purposes.

EXAMPLE

This school offers a blended kindergarten and first grade classroom, plus one classroom for 2nd grade and one for 3rd grade. They also have a math teacher, Mr. Coulson, who teaches Algebra 1 to three classes per day, and Ms. Danvers, who teaches Orchestra and Band. Fifteen students are enrolled in both Orchestra and Band, and ten of those students are also enrolled in Algebra 1 (note that class roster example records are provided for only the first two classes).

Class Roster Records

IUID	Classroom ID	Class Period	Subject	Student	Teacher
1	101	AllDay	Kindergarten	Stark	Fury
1	101	AllDay	Kindergarten	Odinson	Fury
2	101	AllDay	Grade 1	Pym	Hill
2	101	AllDay	Grade 1	Van Dyne	Hill
3	200A	AllDay	Grade 2	Banner	Romanov
3	200A	AllDay	Grade 2	Rogers	Romanov
3	200A	AllDay	Grade 2	Barton	Romanov

Class Size Detail Records

Classroom ID	Class Period	Subject	Students	Teachers
101	AllDay	Blended Classroom	4	2
200A	AllDay	Grade 2	3	1
30	AllDay	Grade 3	8	1
005	Per1	Algebra 1	13	1
005	Per2	Algebra 1	15	1
005	Per3	Algebra 1	29	1
Auditorium	Morning	Orchestra	43	1
Auditorium	Afternoon	Band	64	1

Class Size Summary

Core Subject Area	Classes with 15 or fewer students	Classes with 16 to 25 students	Classes with 26 to 35 students	Classes with 36 to 45 students	Classes with 46 to 55 students	Classes with 56 or more students	Median class size	Average class size	Total Teachers	Total Students
All Subjects/Grades	5	-	1	1	-	1	14	22.4	6	154
Total Self-contained	3	-	-	-	-	-	4	5	4	15
Kindergarten	-	-	-	-	-	-	-	-	-	-
Grade 1	-	-	-	-	-	-	-	-	-	-
Grade 2	1	-	-	-	-	-	3	3	1	3
Grade 3	1	-	-	-	-	-	8	8	1	8
Blended Classroom	1	-	-	-	-	-	4	4	2	4
Total Departmentalized	2	-	1	1	-	1	29	32.8	2	139
Math	2	-	1	-	-	-	15	19	1	57
Fine and Performing Arts	-	-	-	1	-	1	53.5	53.5	1	97



Note that this class has two IUIDs associated with it, but they are linked together with a shared classroom and class period ID.



Although this school enrolls both kindergarten and first grade students, these rows are blank because the school does not offer classes for kindergarten alone or for first grade alone. Kindergarten and first grade blended classes are listed under “Blended classroom.”



There are three self-contained classrooms. One has three students, one has four, and one has eight. The count of four students is the middle number of the list, so it is the median. There are eight classes in total for all subjects and grades. In ascending order, their sizes are 3, 4, 8, 13, 15, 29, 43, and 64. Because there are an even number of classes, 13 and 15 are both in the middle. The median is 14, which is halfway between 13 and 15.



The average class size is computed by summing the sizes of all the classes and dividing by the number of classes. In this case:

$$\frac{3 + 4 + 8 + 13 + 15 + 29 + 43 + 64}{8} = 22.4$$



Even though the math and fine arts teachers each teach multiple classes, and the fine arts teacher teaches multiple subjects, they are counted only once.



There are 43 students in orchestra and 64 students in band, but 10 students are enrolled in both, so the total number of unique students enrolled in fine art classes is only 97.

APPENDIX A: INCLUDED COURSES BY SUBJECT AREA

Please note: Course identifiers have been condensed and abbreviated. For the complete list and full course names, see [the IUID page](https://district.ode.state.or.us/apps/info/DataClctnDetail.aspx?id=261&Collection_ID=1866) (https://district.ode.state.or.us/apps/info/DataClctnDetail.aspx?id=261&Collection_ID=1866).

SELF-CONTAINED

23003	Kindergarten	23007	Grade 4	23011	Grade 8
23004	Grade 1	23008	Grade 5	23012	Blended Grade
23005	Grade 2	23009	Grade 6	23041	IB Primary Years Program
23006	Grade 3	23010	Grade 7		

DEPARTMENTALIZED

English Language Arts

1001-1004	English/Language Arts I-IV (9 th -12 th grade)	1054	American Literature	1139	Writing—General
1005	AP English Language and Composition	1055	American Literature/History	1149	Composition—Other
1006	AP English Literature and Composition	1056	British Literature	1151	Public Speaking
1007	IB Language A (English)	1057	British Literature/History	1152	Forensic Speech—Inclusive
1008	English as a Second Language	1058	World Literature	1153	Forensic Speech—Debate
1009	Language Arts Laboratory	1059	Biblical Literature	1154	Forensic Speech—Individual Event
1010	IB Language A (English), Middle Years	1060	Literature of an Author	1155	Communications
1011	IB Language A: Language and Literature (English)	1061	Literature of a Genre	1156	Applied English and Communications
1012	IB Literature and Performance	1062	Literature of a Period	1199	Speech—Other
1034-1036	Language Arts (6-8 grade)	1063	Literature of a Place	1201	English Morphology and Grammar
1037	Language Arts—General	1064	Literature of a People	1202	History of the English Language
1046-1048	Reading (6-8 grade)	1065	Literature of a Theme	1203	English—Test Preparation
1049	Reading—General	1066	Strategic Reading	1204	English Grammar
1051	English/Literature (9/10 grade)	1067	Assisted Reading	1992	English Proficiency Development
1052	English/Literature (11/12 grade)	1068	Corrective Reading	1996	English Language & Literature—Supplemental
1053	Literature	1069	Mythology	1999	English Language & Literature—Other
		1099	Literature—Other	22109	IB Extended Essay
		1101	English/Composition (9/10grade)	22112	AP Research
		1102	English/Composition (11/12 grade)		
		1103	Composition		
		1104	Creative Writing		
		1105	Research/Technical Writing		
		1136-1138	Writing (grade 6-8)		

Mathematics

2001	Informal Mathematics	2053-2054	Algebra I, part 1 and 2	2073	Analytic Geometry
2002	General Mathematics	2055	Transition Algebra	2074	Principles of Algebra and Geometry
2003	Particular Topics in Foundation Mathematics	2056	Algebra II	2075	Particular Topics in Geometry
2036-2038	Mathematics (6-8 grade)	2057	Algebra III	2079	Geometry—Other
2039	Mathematics—General	2058	Particular Topics in Algebra	2101	Number Theory
2049	Foundation Math—Other	2062-2065	Integrated Mathematics I-IV	2102	Discrete Mathematics
2051	Pre-Algebra	2069	Algebra—Other	2103	Trigonometry
2052	Algebra I	2071	Informal Geometry	2104	Math Analysis
		2072	Geometry		

2105	Trigonometry/Math Analysis	2131	IB Mathematical Studies	2156	Computer Math with Algebra
2106	Trigonometry/Algebra	2132	IB Mathematics	2157	Consumer Math
2107	Trigonometry/Analytic Geometry	2134	IB Further Mathematics-HL	2201	Probability and Statistics
2108	Math Analysis/Analytic Geometry	2135	IB Mathematics, Middle Years	2202	Inferential Probability and Statistics
2109	Elementary Functions	2136	Finite Mathematics	2203	AP Statistics
2110	Pre-Calculus	2137	Mathematical Modeling	2204	Particular Topics in Probability and Statistics
2111	Linear Algebra	2141	Particular Topics in Analytic Mathematics	2205	Statistics
2112	Linear Programming	2149	Analytic Mathematics—Other	2209	Probability and Statistics—Other
2113	Abstract Algebra	2151	General Applied Math	2991	History of Math
2121	Calculus	2152	Occupationally Applied Math	2993	Mathematics—Test Preparation
2122	Multivariate Calculus	2153	Technical Math	2994	Mathematics Proficiency Development
2123	Differential Calculus	2154	Business Math	2996	Mathematics—Supplemental
2124-2125	AP Calculus AB-BC	2155	Business Math with Algebra	2999	Mathematics—Other
2126	Particular Topics in Calculus				

Science

3001	Earth Science	3064	Regional Biology	3164	AP Physics C: Mechanics
3002	Geology	3065	IB Sports, Exercise, & Health Sci.	3165	AP Physics 1
3003	Environmental Science	3066	PLTW Principles of Biomedical Science	3166	AP Physics 2
3004	Astronomy	3067	PLTW Human Body Systems	3199	Physics—Other
3005	Marine Science	3068	PLTW Medical Interventions	3201	Integrated Science
3006	Meteorology	3069	Nutrition Science	3202	Unified Science
3007	Physical Geography	3099	Biology—Other	3203	Applied Biology/Chemistry
3008	Earth and Space Science	3101	Chemistry	3204	Technological Inquiry
3009	Particular Topics in Earth Science	3102	Chemistry—Advanced Studies	3205	Origins of Science
3010	Earth/Space Science (prior to secondary)	3103	Organic Chemistry	3206	IB Design Technology
3011	Physical Science (prior to secondary)	3104	Physical Chemistry	3207	AP Environmental Science
3012	Energy and Environment	3105	Conceptual Chemistry	3208	IB Environmental Systems and Societies
3049	Earth Science—Other	3106	AP Chemistry	3209	Aerospace
3051	Biology	3107	IB Chemistry	3210	Science, Technology and Society
3052	Biology—Advanced Studies	3108	Particular Topics in Chemistry	3211	Technical Science
3053	Anatomy and Physiology	3149	Chemistry—Other	3212	Scientific Research and Design
3054	Anatomy	3151	Physics	3213	IB Sciences, Middle Years
3055	Physiology	3152	Physics—Advanced Studies	3214	Forensic Laboratory Science
3056	AP Biology	3153	Principles of Technology	3236-3238	Science (6-8 grade)
3057	IB Biology	3155-3156	AP Physics B/C	3239	Science—General
3058	Botany	3157	IB Physics	3994	Life and Physical Sciences— Proficiency Development
3059	Genetics	3158	Life Science	3996	Life and Physical Sciences— Supplemental
3060	Microbiology	3159	Physical Science	3999	Life and Physical Sciences— Other
3061	Zoology	3161	Conceptual Physics		
3062	Conceptual Biology	3162	Particular Topics in Physics		
3063	Particular Topics in Biology	3163	AP Physics C: Electricity and Magnetism		

Social Studies

4001	World Geography	4005	U.S. Geography	4053	Modern World History
4002	Particular Topics in Geography	4049	Geography—Other	4054	IB History
4003	IB Geography	4051	World History—Overview	4055	Modern European History
4004	AP Human Geography	4052	World History and Geography	4056	AP European History

4057	AP World History	4158	AP Comparative Government and Politics	4253	IB Social and Cultural Anthropology
4058	Ancient Civilizations				
4059	Medieval European History	4159	AP Government	4254	Psychology
4060	Ancient and Medieval History	4160	U.S. Government, Civics, and Economics	4255	Particular Topics in Psychology
4061	World Area Studies	4161	Civics	4256	AP Psychology
4062	World People Studies	4162	Law Studies	4257	IB Psychology
4063	Western Civilization	4163	Consumer Law	4258	Sociology
4064	Contemporary World Issues	4164	Business Law	4259	Particular Topics in Sociology
4065	Particular Topics in World History	4165	Legal System	4260	Social Science
4066	IB Islamic History	4166	Particular Topics in Law	4261	Social Science Research
4099	World History—Other	4167	Simulated Political Process	4299	Social Sciences—Other
4101	U.S. History—Comprehensive	4168	IB Twentieth Century World History	4301	Humanities Survey
4102	Early U.S. History			4302	Humanities
4103	Modern U.S. History	4169	IB Global Politics	4303	Issues of Western Humanities
4104	AP U.S. History	4171	IB Individuals and Societies, Middle Years	4304	IB Theory of Knowledge
4105	State-Specific Studies			4305	Social Studies
4106	Contemporary U.S. Issues	4199	Government, Politics and Law—Other	4306	Philosophy
4107	U.S. Ethnic Studies			4307	Particular Topics in Philosophy
4108	U.S. Gender Studies	4201	Economics	4308	Modern Intellectual History
4109	Particular Topics in U.S. History	4202	Comparative Economics	4309	IB Philosophy
4110	U.S. Wars and Military Conflicts	4203	AP Microeconomics	4310	Particular Topics in Humanities
4149	U.S. History—Other	4204	AP Macroeconomics	4349	Humanities—Other
4151	U. S. Government-Comprehensive	4205	AP Economics	4436-4438	Social Studies (6-8 grade)
4152	Particular Topics in U.S. Government	4206	IB Economics	4439	Social Studies—General
4153	Political Science	4207	Particular Topics in Economics	4994	Social Sciences and History—Proficiency Development
4154	Comparative Government	4208	Microeconomics	4996	Social Sciences and History—Supplemental
4155	International Relations	4209	Macroeconomics		
4156	United States and World Affairs	4249	Economics—Other	4999	Social Sciences and History—Other
4157	AP U. S. Government and Politics	4251	Anthropology		
		4252	Particular Topics in Anthropology		

World Language

24039	World Language—General	24067	IB Language A: Language and Literature—Spanish	24118	IB Language Ab Initio—French
24040	Exploration of Multiple World Languages	24068	IB Language Ab Initio—Spanish	24149	French—Other
24050	Spanish for Young Learners (prior to secondary)	24099	Spanish—Other	24150	Italian for Young Learners (prior to secondary)
24052-24056	Spanish I-V	24100	French for Young Learners (prior to secondary)	24152-24156	Italian I-V
24057	Spanish for Native Speakers	24102-24106	French I-V	24157	Italian for Native Speakers
24058	Spanish Field Experience	24107	French for Native Speakers	24158	Italian Field Experience
24059	Spanish Conversation & Culture	24108	French Field Experience	24159	Italian Conversation & Culture
24060	Spanish Literature	24109	French Conversation & Culture	24160	Italian Literature
24061	Particular Topics in Spanish	24110	French Literature	24161	Particular Topics in Italian
24062	IB Language A: Literature—Spanish	24111	Particular Topics in French	24162	IB Language A: Literature—Italian
		24112	IB Language A: Literature—French	24163	IB Language B—Italian
24063	IB Language B—Spanish	24113	IB Language B—French	24164	AP Italian and Culture
24064	AP Spanish Language and Culture	24114	AP French Language and Culture	24166	IB Language B (Italian), Middle Years
24065	AP Spanish Literature and Culture	24116	IB Language B (French), Middle Years	24167	IB Language A: Language and Literature—Italian
24066	IB Language B (Spanish), Middle Years	24117	IB Language A: Language and Literature—French	24168	IB Language Ab Initio—Italian
				24199	Italian—Other

24200	Portuguese for Young Learners (prior to secondary)	24355	AP Latin (Virgil, Catullus, and Horace)	24507	Korean for Native Speakers
24202-24206	Portuguese I-V	24369	Latin—Other	24508	Korean Field Experience
24207	Portuguese for Native Speakers	24370	Classical Greek for Young Learners (prior to secondary)	24509	Korean Conversation & Culture
24208	Portuguese Field Experience	24372-24376	Classical Greek I-V	24510	Korean Literature
24209	Portuguese Conversation & Culture	24381	Particular Topics in Classical Greek	24511	Particular Topics in Korean
24210	Portuguese Literature	24382	IB Classical Languages—Greek	24512	IB Language A: Literature—Korean
24211	Particular Topics in Portuguese	24389	Classical Greek—Other	24513	IB Language B—Korean
24212	IB Language A: Literature—Portuguese	24390	Classical Hebrew for Young Learners (prior to secondary)	24516	IB Language B (Korean), Middle Years
24213	IB Language B—Portuguese	24391-24395	Classical Hebrew I-V	24517	IB Language A: Language and Literature—Korean
24216	IB Language B (Portuguese), Middle Years	24396	Particular Topics in Classical Hebrew	24549	Korean—Other
24217	IB Language A: Language and Literature—Portuguese	24399	Classical Hebrew—Other	24550	Vietnamese for Young Learners (prior to secondary)
24249	Portuguese—Other	24400	Chinese for Young Learners (prior to secondary)	24552-24556	Vietnamese I-V
24250	German for Young Learners (prior to secondary)	24402-24406	Chinese I-V	24557	Vietnamese for Native Speakers
24252-24256	German I-V	24407	Chinese for Native Speakers	24558	Vietnamese Field Experience
24257	German for Native Speakers	24408	Chinese Field Experience	24559	Vietnamese Conversation & Culture
24258	German Field Experience	24409	Chinese Conversation & Culture	24560	Vietnamese Literature
24259	German Conversation & Culture	24410	Chinese Literature	24561	Particular Topics in Vietnamese
24260	German Literature	24411	Particular Topics in Chinese	24562	IB Language A: Literature—Vietnamese
24261	Particular Topics in German	24412	IB Language A: Literature—Chinese	24566	IB Language (Vietnamese), Middle Years
24262	IB Language A: Literature—German	24413	IB Language B—Chinese	24567	IB Language A: Language and Literature—Vietnamese
24263	IB Language B—German	24414	AP Chinese Language and Culture	24599	Vietnamese—Other
24264	AP German Language and Culture	24416	IB Language B (Chinese), Middle Years	24600	Filipino (prior to secondary)
24266	IB Language B (German), Middle Years	24417	IB Language A: Language and Literature—Chinese	24602-24606	Filipino I-V
24267	IB Language A: Language and Literature—German	24418	IB Language Ab Initio—Chinese	24607	Filipino for Native Speakers
24268	IB Language Ab Initio—German	24449	Chinese—Other	24608	Filipino Field Experience
24299	German—Other	24450	Japanese for Young Speakers (prior to secondary)	24609	Filipino Conversation & Culture
24300	Greek for Young Learners (prior to secondary)	24452-24456	Japanese I-V	24610	Filipino Literature
24302-306	Greek I-V	24457	Japanese for Native Speakers	24611	Particular Topics in Filipino
24307	Greek for Native Speakers	24458	Japanese Field Experience	24612	IB Language A: Literature—Filipino
24308	Greek Field Experience	24459	Japanese Conversation & Culture	24616	IB Language (Filipino), Middle Years
24309	Greek Conversation & Culture	24460	Japanese Literature	24617	IB Language A: Language and Literature—Filipino
24310	Greek Literature	24461	Particular Topics in Japanese	24649	Filipino—Other
24311	Particular Topics in Greek	24462	IB Language A: Literature—Japanese	24650	Russian (prior to secondary)
24312	IB Language A: Literature—Greek	24463	IB Language B—Japanese	24652-24656	Russian I-V
24316	IB Language B (Greek), Middle Years	24464	AP Japanese Language & Culture	24657	Russian for Native Speakers
24317	IB Language A: Language and Literature—Greek	24466	IB Language (Japanese), Middle Years	24658	Russian Field Experience
24339	Greek—Other	24467	IB Language A: Language and Literature—Japanese	24659	Russian Conversation & Culture
24340	Latin for Young Learners (prior to secondary)	24468	IB Language Ab Initio—Japanese	24660	Russian Literature
24342-24346	Latin I-V	24499	Japanese—Other	24661	Particular Topics in Russian
24351	Particular Topics in Latin	24500	Korean for Young Learners (prior to secondary)	24662	IB Language A: Literature—Russian
24352	IB Classical Languages—Latin	24502-24506	Korean I-V	24663	IB Language B—Russian
				24666	IB Language B (Russian), Middle Years

24667	IB Language A: Language and Literature—Russian	24808	Swahili Field Experience	24916	IB Language B (American Indian Language), Middle Years
24668	IB Language Ab Initio—Russian	24809	Swahili Conversation & Culture		
24699	Russian—Other	24810	Swahili Literature	24917	IB Language A: Language and Literature—American Indian Language
24700	Hebrew (prior to secondary)	24811	Particular Topics in Swahili		
24702-24706	Hebrew I-V	24812	IB Language A: Literature—Swahili		
24707	Hebrew for Native Speakers	24816	IB Language (Swahili), Middle Years	24949	American Indian Language—Other
24708	Hebrew Field Experience	24817	IB Language A: Language and Literature—Swahili	24950	World Language (Other Language) for Young Learners (prior to secondary)
24709	Hebrew Conversation & Culture				
24710	Hebrew Literature	24818	IB Language Ab Initio—Swahili		
24711	Particular Topics in Hebrew	24849	Swahili—Other	24952-24956	World Language (Other Language) I-V
24712	IB Language A: Literature—Hebrew	24850	American Sign Language (prior to secondary)	24957	World Language (Other Language) for Native Speakers
24713	IB Language B—Hebrew	24852-24856	American Sign Language I-V		
24716	IB Language (Hebrew), Middle Years	24858	American Sign Language Field Experience	24958	World Language (Other Language) Field Experience
24717	IB Language A: Language and Literature—Hebrew	24861	Particular Topics in American Sign Language	24959	World Language (Other Language) Conversation & Culture
24749	Hebrew—Other	24866	IB Language B (American Sign Language), Middle Years	24960	World Language (Other Language) Literature
24750	Arabic (prior to secondary)				
24752-24756	Arabic I-V	24899	American Sign Language—Other	24961	Particular Topics in World Language (Other Language)
24757	Arabic for Native Speakers	24900	American Indian Language (prior to secondary)	24962	IB Language A: Literature—World Language (Other Language)
24758	Arabic Field Experience				
24759	Arabic Conversation & Culture	24902-24906	American Indian Language I-V		
24760	Arabic Literature	24907	American Indian Language for Native Speakers	24963	IB Language B—World Language (Other Language)
24761	Particular Topics in Arabic				
24762	IB Language A: Literature—Arabic	24908	American Indian Language Field Experience	24966	IB Language B (Other World Language), Middle Years
24763	IB Language B—Arabic				
24766	IB Language B (Arabic), Middle Years	24909	American Indian Language Conversation & Culture	24967	IB Language A: Language and Literature—(Other World Language)
24767	IB Language A: Language and Literature—Arabic	24910	American Indian Literature		
24768	IB Language Ab Initio—Arabic	24911	Particular Topics in American Indian Language	24968	IB Language Ab Initio—(Other World Language)
24799	Arabic—Other	24912	IB Language A: Literature—American Indian Language.	24989	World Language (Other Language)—Other
24800	Swahili (prior to secondary)				
24802-24806	Swahili I-V	24913	IB Language B—American Indian Language	24999	World Language and Literature—Other
24807	Swahili for Native Speakers				

Fine and Performing Arts

5001	Dance Technique	5039	Dance—General	5062	IB Theatre
5002	Dance Repertory	5049	Dance—Other	5076-5078	Drama (6-8 grade)
5003	General Dance	5051	Introduction to the Theater	5079	Drama—General
5004	Dance History and Appreciation	5052	Theater Arts	5099	Theater—Other
5005	Choreography	5053	Theater—Comprehensive	5101	General Band
5006	Dance Survey	5055	Theater—Acting/Performance	5102	Concert Band
5007	Dance Improvisation	5056	Theater—Stagecraft	5103	Marching Band
5008	World/Cultural Dance	5057	Theater—Directing	5104	Orchestra
5009	Technical Theater for Dance	5058	Playwriting and Screenwriting	5105	Contemporary Instrumental Ensemble
5010	Social Dance	5059	History and Literature of the Theater	5106	Small Ensemble
5011	Dance Composition/Composition Seminar	5060	Musical Theater	5107	Piano
5012	IB Dance	5061	Theatrical Production and Management	5108	Guitar
5036-5038	Dance (6-8 grade)				

5109	Individual Technique-Instrumental Music	5152	Art History	5170	Art Portfolio
5110	Chorus	5153	AP Art—History of Art	5171	AP Studio Art—General Portfolio
5111	Vocal Ensembles	5154	Visual Art—Comprehensive	5172	AP Studio Art—Drawing Portfolio
5112	Individual Technique—Vocal Music	5155	Visual Arts—Drawing/Painting	5173	IB Visual Art
5113	Music Theory	5156	Visual Arts—Drawing	5174	AP Studio Art—Two-Dimensional
5114	AP Music Theory	5157	Visual Arts—Painting	5175	AP Studio Art—Three-Dimensional
5115	IB Music	5158	Visual Arts—Sculpture	5176	Calligraphy/Lettering
5116	Music History/Appreciation	5159	Ceramics/Pottery	5186-5188	Art (6-8 grade)
5117	Music History	5160	Printmaking/Graphics	5189	Art—General
5118	Music Appreciation	5161	Printmaking	5194	IB Film
5119	Composition/Songwriting	5162	Visual Communications Design	5199	Visual Arts—Other
5120	Strings	5163	Advertising Design	5201	Interdisciplinary Arts
5121	Contemporary Vocal Ensemble	5164	Fibers and Textile Design	5202	IB Arts, Middle Years Program
5122	Culturally Influenced Ensemble	5165	Crafts	5203	Film Appreciation & Analysis
5136-5138	Music (6-8 grade)	5166	Jewelry	5999	Visual and Performing Art—Other
5139	Music—General	5167	Photography		
5149	Music—Other	5168	Cinematography/Video Production		
5151	Art Appreciation	5169	Multimedia Art		

APPENDIX B: COURSES NOT INCLUDED IN DETAIL

All Aide course codes were discontinued in the 1718 adoption. The following course codes were always excluded from the detail level data set in the past. These courses are non-instructional and they should not be reported in Class Roster.

1995 English Language and Literature-Aide
2995 Mathematics-Aide
3995 Life and Physical Sciences-Aide
4995 Social Sciences and History-Aide
5995 Fine and Performing Art-Aide
6995 Foreign Language and Literature-Aide
7995 Religious Education and Theology-Aide
8995 Physical, Health, and Safety Education-Aide
9995 Military Science-Aide
10995 Computer and Information Sciences-Aide
11995 Communication and Audio/Video Technology-Aide
12995 Business and Marketing-Aide
13995 Manufacturing-Aide
14995 Health Care Sciences-Aide
15995 Public, Protective, and Government Service-Aide
16995 Hospitality and Tourism-Aide
17995 Architecture and Construction-Aide
18995 Agriculture, Food, and Natural Resources-Aide
19295 Family and Consumer Science-Aide
19995 Human Services-Aide
20995 Transportation, Distribution and Logistics-Aide
21995 Engineering and Technology-Aide
22051 Office Aide
22052 Guidance Aide
22053 Library/AVC Aide
22995 Miscellaneous-Aide
72995 Miscellaneous-Aide

APPENDIX C: COURSES NOT INCLUDED IN SUMMARY

The following courses are included in the detail level, but are not included in aggregations unless part of a reportable class (i.e. they were reported with the same classroom and class period ID as a course that is always included).

Independent Study (IS)

1097	Literature - IS	10197	Computer Programming - IS	16247	Recreation, Amusement & Attractions - IS
1147	Composition - IS	10247	Media Technology - IS		
1197	Speech - IS	10297	Information Support & Services - IS	16997	Hospitality & Tourism - IS
1997	English Language & Literature - IS			17047	General Construction - IS
2047	Foundation Math - IS	10997	Information Technology- IS	17097	Air Conditioning, Heating & Plumbing - IS
2207	Probability & Statistics - IS	11047	Communication - IS		
2997	Mathematics - IS	11097	Audio/Video Tech. & Film - IS	17147	Electricity/Electronics - IS
3047	Earth Science - IS	11147	Journalism & Broadcasting - IS	17997	Architecture & Construction - IS
3097	Biology - IS	11197	Printing Technology - IS	18097	Plant Systems - IS
3147	Chemistry - IS	11997	Communication & Audio/Video Technology - IS	18147	Animal Systems - IS
3197	Physics - IS			18247	Agribusiness - IS
3997	Life & Physical Sci. - IS	12047	Administration - IS	18347	Agricultural Production & Processing - IS
4047	Geography - IS	12097	Management - IS		
4097	World History - IS	12147	Finance - IS	18447	Agricultural Mechanics & Construction - IS
4147	U.S. History - IS	12197	Marketing - IS		
4197	Gov., Politics & Law - IS	12247	Sales - IS	18547	Natural Resources - IS
4247	Economics - IS	12997	Business & Marketing - IS	18997	Agriculture, Food, & Natural Resources - IS
4297	Social Sciences - IS	13097	Processing/Production - IS		
4347	Humanities - IS	13147	Production Systems - IS	19097	Child & Elder Care - IS
4997	Social Sciences & History - IS	13247	Metalwork - IS	19147	Cosmetology - IS
5047	Dance - IS	13347	Repair - IS	19197	Education - IS
5097	Theater - IS	13997	Manufacturing - IS	19247	Apparel & Furnishings – IS
5147	Music - IS	14097	Therapeutic Services - IS	19297	Family & Consumer Sciences - IS
5197	Visual Art - IS	14147	Diagnostic Services - IS	19997	Human Services - IS
5997	Visual & Performing Art - IS	14197	Health Information - IS	20097	Operation - IS
6997	Foreign Language & Literature - IS	14247	Health Support Services - IS	20147	Mechanics & Repair - IS
7997	Religious Education & Theology - IS	14297	Health Sciences - IS	20197	Distribution & Logistics - IS
		14997	Health Care Sciences - IS	20997	Transportation, Distribution & Logistics - IS
8047	Physical Education - IS	15097	Law Enforcement - IS		
8097	Health Education – IS	15147	Security & Protection - IS	21047	Engineering - IS
8147	Physical & Health Ed. - IS	15197	Fire Management - IS	21097	Technology - IS
8197	Drivers' Education. - IS	15247	Government Service - IS	21147	Drafting - IS
8997	Physical, Health, & Safety Ed. - IS	15997	Public, Protective, & Gov. Service - IS	21997	Engineering & Tech. - IS
9997	Military Science - IS			22997	Miscellaneous – IS
10047	Computer Literacy - IS	16097	Restaurant, Food & Beverage Services - IS	24997	World Language and Literature - IS
10097	Management Information Systems - IS	16147	Lodging - IS		
10147	Networking Systems - IS	16197	Travel & Tourism - IS		

Military

9001	Introduction to Jr. ROTC	9004	Military Leadership	9201-9204	Marine Corps Junior ROTC I-IV
9002	Military Jr. ROTC-unspecified branch	9051-9054	Army Junior ROTC I-IV	9999	Military Science —Other
		9101-9104	Naval Junior ROTC I-IV		
9003	ROTC Drill	9151-9154	Air Force Junior ROTC I-IV		

Physical Education

8001	Physical Ed.	8017	Sports Physiology	8076-8078	Health Education (6-8 grade)
8002	Team Sports	8018	Coaching	8079	Health Education—General
8003	Individual/Dual Sports	8019	Officiating	8099	Health Education—Other
8004	Recreation Sports	8036-8038	Physical Education (6-8 grade)	8101	Physical and Health Education
8005	Fitness/Conditioning Activities	8039	Physical Education—General	8110-8112	Physical and Health Education (6-8 grade)
8006	Corps Movement	8040	IB Physical Education, Middle Years	8113	Physical and Health Education—General
8008	Gymnastics	8049	Physical Education—Other	8149	Physical and Health Education—Other
8009	Weight Training	8051	Health Education	8201	Physical Ed/Health/Drivers' Education
8010	Aquatics/Water Sports	8052	Health & Fitness	8999	Physical, Health, & Safety Education—Other
8011	Tennis	8053	Community Health		
8012	Self-defense	8055	Safety & First Aid		
8013	Specific Sports Activities	8056	Health for Parenting Teens		
8014	Physical Ed. Equivalent	8057	Health & Life Management		
8015	Off-Campus Sports	8058	Substance Abuse Prevention		
8016	Lifetime Fitness Education				

Workplace Experience (WE)

1098	Literature - WE	10098	Management Information Systems - WE	15248	Government Service - WE
1148	Composition - WE			15998	Public, Protective, & Government Service - WE
1198	Speech - WE	10148	Networking Systems - WE		
1998	English Language & Literature - WE	10198	Computer Programming - WE	16098	Restaurant, Food & Beverage Services - WE
		10248	Media Technology - WE		
2998	Mathematics - WE	10298	Information Support & Services - WE	16148	Lodging - WE
3048	Earth Science - WE			16198	Travel & Tourism - WE
3098	Biology - WE	10998	Information Technology - WE	16248	Recreation, Amusement & Attractions - WE
3148	Chemistry - WE	11048	Communication - WE		
3198	Physics - WE	11098	Audio/Video Technology & Film - WE	16998	Hospitality & Tourism - WE
3998	Life & Physical Sciences - WE			17048	General Construction - WE
4048	Geography - WE	11148	Journalism & Broadcasting - WE	17098	Air Conditioning, Heating & Plumbing - WE
4098	World History - WE	11198	Printing Technology - WE		
4148	U.S. History - WE	11998	Communication & Audio/Video Technology - WE	17148	Electricity/Electronics - WE
4198	Gov., Politics & Law - WE			17998	Architecture & Construction - WE
4248	Economics - WE	12048	Administration - WE	18098	Plant Systems - WE
4298	Social Sciences - WE	12098	Management - WE	18148	Animal Systems - WE
4348	Humanities - WE	12148	Finance - WE	18248	Agribusiness - WE
4998	Social Sciences & History - WE	12198	Marketing - WE	18348	Agricultural Production & Processing - WE
5048	Dance - WE	12248	Sales - WE		
5098	Theater - WE	12998	Business & Marketing - WE	18448	Agricultural Mechanics & Construction - WE
5148	Music - WE	13098	Processing/Production - WE		
5198	Visual Arts - WE	13148	Production Systems - WE	18548	Natural Resources - WE
5998	Visual & Performing Art - WE	13248	Metalwork - WE	18998	Agriculture, Food, & Natural Resources - WE
7998	Religious Education & Theology - WE	13348	Repair - WE		
		13998	Manufacturing - WE	19098	Child & Elder Care - WE
8048	Physical Education - WE	14098	Therapeutic Services - WE	19148	Cosmetology - WE
8098	Health Education - WE	14148	Diagnostic Services - WE	19198	Education - WE
8148	Physical and Health Education - WE	14198	Health Information - WE	19248	Apparel & Furnishings - WE
		14248	Health Support Services - WE	19298	Family & Consumer Sciences - WE
8198	Drivers' Education - WE	14298	Health Sciences - WE	19998	Human Services - WE
8998	Physical, Health, & Safety Education - WE	14998	Health Care Sciences - WE	20098	Operation - WE
		15098	Law Enforcement - WE	20148	Mechanics & Repair - WE
9998	Military Science - WE	15148	Security & Protection - WE	20198	Distribution & Logistics - WE
10048	Computer Literacy - WE	15198	Fire Management - WE		

20998	Transportation, Distribution & Logistics - WE	21098	Technology - WE	22998	Miscellaneous – WE
21048	Engineering - WE	21148	Drafting - WE	24998	World Language and Literature - WE
		21998	Engineering & Technology - WE		

Other/Alternative Education

19257	Life Skills	22005	Tutorial	22113	IB Personal and Professional Skills
19258	Personal & Career Readiness	22006	Study Hall	22151	Career Exploration
19259	Family & Interpersonal Relationships	22007	Advancement Via Individual Determination (AVID)	22152	Employability Skills
19260	Personal Development	22054	Tutoring Practicum	22153	Diversified Occupations
22001	Standardized Test Preparation	22104	Community Service	22251	Community Living
22002	State Test Preparation	22105	Values Clarification	22252	Communication Instruction
22003	Study Skills	22106	Seminar	22253	Social Development Instruction
22004	Dropout Prevention Program	22107	Peer Counseling	22254	Developmental Support

Other/Electives/Pre-Kindergarten

5123	Recording and Production	10003	Computer and Information Technology	10103	Area Network Design and Protocols
5124	Technology/Electronic Music				
5177	Animation	10004	Computer Applications	10104	Router Basics
5190	Fashion Design	10005	Business Computer Applications	10105	Network Routing
5191	Industrial Design	10006	Telecommunications	10106	Wide Area Telecommunications and Networking
5192	Architectural Design	10007	IB Information Technology in a Global Society	10107	Wireless Networks
5193	Interior Design				
7001	Religious Foundations	10008	Particular Topics in Computer Literacy	10108	Network Security
7002	Comparative Religion			10109	Essentials of Network Operating Systems
7003	Eastern Religions	10009	Internet Skills		
7004	Western Religions	10010	Computer Literacy	10110	Microsoft Certified Professional (MCP)
7005	Scriptures	10011	Computer Science Principles		
7006	Old Testament	10012	Exploring Computer Science	10111	Particular Topics in Networking Systems
7007	New Testament	10013	PLTW Introduction to Computer Science	10112	Local Area Networking
7008	Bible History				
7009	Christology	10014	PLTW Computer Science Applications	10149	Networking Systems—Other
7010	Religious Figures			10151	Business Programming
7011	Liturgy and Prayer	10015	PLTW Computer Science and Software Engineering	10152	Computer Programming
7012	Prayer and Spirituality			10153	Visual Basic (VB) Programming
7013	Religious Ethics and Morality	10016	PLTW Cybersecurity	10154	C++ Programming
7014	Justice, Peace, and Faith	10017	PLTW Simulation and Modeling	10155	Java Programming
7015	Faith and Lifestyle	10018	PLTW Artificial Intelligence	10156	Computer Programming—Other Language
7016	Ministry	10019	AP Computer Science Principles		
7017	IB World Religions	10049	Computer Literacy—Other	10157	AP Computer Science A
7018	Particular Topics in Religion	10051	Information Management	10159	IB Computer Science
7999	Religious Education & Theology—Other	10052	Database Management and Data Warehousing	10160	Particular Topics in Computer Programming
8151	Drivers' Education-Classroom Only	10053	Database Applications	10199	Computer Programming—Other
		10054	Data Systems/Processing	10201	Web Page Design
8152	Drivers' Education-Classroom and Laboratory	10055	Particular Topics in Management Information Systems	10202	Computer Graphics
				10203	Interactive Media
8199	Drivers' Education—Other	10099	Management Information Systems—Other	10204	Particular Topics in Media Technology
10001	Introduction to Computer Technology	10101	Network Technology	10205	Computer Gaming & Design
10002	Computing Systems	10102	Networking Systems	10206	Mobile Applications
				10249	Media Technology—Other

10251	Computer Technology	11999	Communication & Audio/Video	12162	Internet Marketing
10252	Computer Maintenance		Technology—Other	12163	Sports and Entertainment
10253	Information Support & Services	12001	Business/Office Career		Marketing
10254	IT Essentials: PC Hardware & Software	12002	Exploration	12164	Principles of Marketing
10255	CISCO-The Panduit Network Infrastructure Essentials (PNIE)	12003	Office Procedures—Comprehensive	12165	Principles of Advertising
10256	Particular Topics in Information Support & Services	12004	Office and Administrative Technologies	12166	Marketing Management
10299	Information Support & Services—Other	12005	Office Services	12167	Marketing—Other Specialization
10301	Computer Forensics	12006	Keyboarding	12168	Marketing —Commodities
10302	Cyber Crime	12007	Word Processing	12169	Social Media Marketing
10999	Information Technology—Other	12008	Recordkeeping	12199	Marketing—Other
11001	Introduction to Communication	12009	Particular Topics in Administration	12201	Cashier/Checker Operations
11002	Communication Technology	12049	Business Communications	12202	Principles of Selling
11003	Particular Topics in Communication	12051	Administration—Other	12249	Sales—Other
11004	Social Media	12052	Introductory Business	12999	Business & Marketing—Other
11049	Communication—Other	12053	Business Management	13001	Exploration of Manufacturing Occupations
11051	Audio/Visual Production	12054	Entrepreneurship	13002	Manufacturing—Comprehensive
11052	Commercial Photography	12055	Business Law	13003	Industrial Arts
11053	Photographic Laboratory and Darkroom	12056	Business Principles and Management	13004	Industrial Safety/First Aid
11054	Photo Imaging	12057	International Business and Marketing	13052	Material & Processes
11055	Video	12058	Human Resources & Labor Relations	13053	Metal and Wood Processing/Production
11056	Particular Topics in Audio/Video Technology and Film	12059	Human Resources Management	13054	Wood Processing/Production
11099	Audio/Video Technology & Film—Other	12060	IB Business & Management	13055	Metal Processing/Production
11101	Journalism	12099	Business Ethics	13056	Plastics Processing/Production
11102	Photojournalism	12101	Management—Other	13057	Ceramic Processing/Production
11103	Broadcasting Technology	12102	Banking and Finance	13058	Particular Topics in Processing and Production
11104	Publication Production	12103	Banking	13099	Processing/Production—Other
11105	Particular Topics in Journalism & Broadcasting	12104	Finance	13101	Production Systems
11106	Emerging Technologies in Journalism	12105	Accounting	13102	Electro-Mechanical Systems
11107	Radio Production	12106	Business Economics	13103	Product Development
11149	Journalism & Broadcasting—Other	12107	Risk Management and Insurance	13149	Production Systems—Other
11151	Digital Media Technology	12108	Securities and Investments	13201	Metalwork Occupations
11152	Desktop Publishing	12109	Cost Accounting	13202	Metalworking
11153	Digital Media Design and Production	12110	Income Tax Accounting	13203	Machining
11154	Commercial Graphic Design	12111	Payroll Accounting	13204	Particular Topics in Machining
11155	Graphic Technology	12149	Particular Topics in Accounting	13205	Sheet Metal
11156	Photography and Printing Technology	12151	Finance—Other	13206	Particular Topics in Sheet Metal
11157	Photoengraving	12152	Marketing Career Exploration	13207	Welding
11158	Print Press Operations	12153	Marketing—Comprehensive	13208	Particular Topics in Welding
11159	Particular Topics in Printing Technology and Production	12154	Marketing—Fashion	13209	Particular Topics in Metalwork
11199	Printing Technology—Other	12155	Marketing—Real Estate	13249	Metalwork—Other
		12156	Marketing—Transportation	13301	Appliance Repair
		12157	Marketing—Food/Beverage Industry	13302	Equipment Maintenance & Repair
		12158	Marketing—Insurance	13303	Industrial Maintenance
		12159	Marketing—Floristry	13349	Repair—Other
		12160	Marketing—Hospitality/Tourism	13999	Manufacturing—Other
		12161	Marketing—Merchandising	14001	Exploration of Health Care Occupations
			Retail Marketing	14002	Health Care Occupations—Comprehensive
				14003	Medical Law and Ethics
				14051	Nursing

14052	Nursing —LPN	15057	Criminal Law and Procedures	16204	Recreation, Amusement, and
14053	Home Health Care	15058	Ethics in Criminal Justice		Attractions Management
14054	Dental Science	15099	Law Enforcement—Other	16249	Recreation, Amusement &
14055	Emergency Medical Technology	15101	Public Safety		Attractions—Other
14056	Surgical Technology	15102	Security Services	16999	Hospitality & Tourism—Other
14057	Vision Care	15103	Particular Topics in Security	17001	Construction Careers Exploration
14058	Optometrics	15104	Public Safety	17002	Construction—Comprehensive
14059	Gerontology		Telecommunications	17003	Carpentry
14060	Physical Therapy	15149	Security & Protection—Other	17004	Framing Carpentry
14061	Respiratory Therapy	15151	Fire Science	17005	Particular Topics in Carpentry
14062	Sports Medicine	15152	Fire Fighting	17006	Woodworking
14063	Particular Topics in Therapeutic Services	15153	Particular Topics in Fire Management	17007	Cabinetmaking
				17008	Masonry
14099	Therapeutic Services—Other	15199	Fire Management—Other	17009	Building Repair and Maintenance
14101	Dental Laboratory Technology	15201	Public Administration	17010	Home Maintenance
14102	Medical Lab Technology	15202	Community Protection	17011	Wall Finishings
14103	EKG Technology	15203	Public Policy	17012	Upholstering
14104	Phlebotomy	15249	Government Service—Other	17013	Commercial Construction
14105	Particular Topics in Diagnostic Services	15999	Public, Protective, & Government Service—Other	17014	Concrete Foundations
				17015	Construction Estimating
14149	Diagnostic Services—Other	16001	Exploration of Hospitality Careers	17016	Construction Management
14151	Medical/Clerical Assisting	16051	Exploration of Restaurant, Food & Beverage Services	17017	Particular Topics in Construction
14152	Pharmacy Assisting			17049	General Construction—Other
14153	Medical Office Procedures	16052	Restaurant, Food and Beverage Services—Comprehensive	17051	Air Conditioning
14154	Medical Terminology			17052	Refrigeration
14155	Particular Topics in Health Information	16053	Food service	17053	Heating
		16054	Nutrition and Food Preparation	17054	Air Conditioning/Refrigeration
14156	Medical Coding and Transcription	16055	Restaurant Management and Operations	17055	Air Conditioning, Heating, and Refrigeration
14157	Health Informatics and Data Management	16056	Culinary Art Specialty	17056	Heating, Ventilation, and Air Conditioning
14199	Health Information—Other	16057	Particular Topics in Restaurant, Food and Beverage Services	17057	Particular Topics in HVACR
14201	Central Service Technology			17158	Plumbing
14202	Health Support Services	16099	Restaurant, Food & Beverage Services—Other	17159	Plumbing & Heating
14203	Health Unit Coordination			17099	Air Conditioning, Heating & Plumbing—Other
14204	Particular Topics in Health Support Services	16101	Exploration of Lodging Careers		
		16102	Lodging—Comprehensive	17101	Exploration of Electricity/Electronics
14249	Health Support Services—Other	16103	Institutional Maintenance		
14251	Health Science	16104	Particular Topics in Lodging	17102	Electricity—Comprehensive
14252	Biotechnology	16149	Lodging—Other	17103	Residential Wiring
14253	Pharmacology	16151	Introduction to Travel & Tourism	17104	Industrial Electricity
14254	Particular Topics in Health Sciences	16152	Travel and Tourism—Comprehensive	17105	Particular Topics in Electricity
				17106	Electronics—Comprehensive
14255	Biomedical Innovation	16153	World Travel and Tourism	17107	Particular Topics in Electronics
14299	Health Sciences—Other	16154	Eco-tourism	17108	Electricity/Electronics—General
14999	Health Care Sciences—Other	16155	Particular Topics in Travel and Tourism	17109	Particular Topics in Electricity/Electronics
15001	Exploration of Public Service Careers	16199	Travel & Tourism—Other	17110	Analog and Digital Circuits
15051	Criminal Justice	16201	Exploration of Recreation, Amusement and Attractions	17111	Analog Circuits
15052	Corrections			17112	Digital Circuits
15053	Particular Topics in Law Enforcement	16202	Recreation, Amusement & Attractions—Comprehensive	17149	Electricity/Electronics—Other
				17999	Architecture & Construction—Other
15054	Law Enforcement	16203	Particular Topics in Recreation, Amusement and Attractions		
15055	Forensic Science				
15056	Crime Scene Management				

18001	Introduction to Agriculture & Natural Resources	18404	Agricultural Metal Fabrication Technology	19252	Food Preparation and Health Management
18002	Agriculture—Comprehensive	18405	Particular Topics in Agricultural Mechanics and Construction	19253	Nutrition and Wellness
18003	Agriculture & Natural Resources—Comprehensive	18406	Water Treatment	19254	Food Science
18004	Biological Applications in Agriculture	18449	Agricultural Mechanics & Construction—Other	19255	Child Development/Parenting
18005	Particular Topics in Environmental Service Systems	18501	Wildlife and Recreation Management	19256	Clothing and Sewing
18051	Plant Systems/Science	18502	Forestry Management	19261	Human Growth and Development
18052	Horticultural Science	18504	Natural Resources Management	19262	Consumer Economics/Personal Finance
18053	Ornamental Horticulture	18505	Particular Topics in Natural Resources	19263	Home Environments and Design
18054	Turf & Landscape Management			19299	Family & Consumer Sciences—Other
18055	Soil Science	18506	Alternative Energy	19301	Counseling & Mental Health
18056	Particular Topics in Plant Systems	18549	Natural Resources—Other	19999	Human Services—Other
18099	Plant Systems—Other	18999	Agriculture, Food, & Natural Resources—Other	20001	Exploration of Transportation, Distribution & Logistics
18101	Animal Production/Science			20051	Truck & Bus Driving
18102	Small Animal Care	19001	Human Services Career Exploration	20052	Heavy Equipment Operation
18103	Large Animal Care			20053	Aviation
18104	Equine Science	19051	Child Care	20054	Boat Operation
18105	Veterinary Science	19052	Child Development	20055	Pilot Training
18106	Particular Topics in Animal Systems	19053	Elder Care	20099	Operation—Other
18107	Animal Nutrition	19054	Child and Adult Care Services	20101	Energy/Power
18108	Animal Genetics	19055	Particular Topics in Child & Elder Care	20102	Power & Mechanics
18109	Integrated Pest Management	19099	Child & Elder Care—Other	20103	Introduction to Automobiles
18149	Animal Systems—Other	19101	Cosmetology—Licensing	20104	Automotive Mechanics—Comprehensive
18201	Agribusiness Management	19102	Barbering	20105	Particular Topics in Automotive Mechanics
18202	Agricultural Entrepreneurship	19103	Hair Styling	20106	Automotive Service
18203	Agricultural Leadership	19104	Cosmetology—Non-licensing	20107	Diesel Mechanics—Comprehensive
18204	Particular Topics in Agribusiness	19105	Cosmetology—Nail Specialization	20108	Particular Topics in Diesel Mechanics
18205	Agriculture Computers and Technology	19106	Cosmetology—Facial Specialization	20109	Small Vehicle Mechanics
18249	Agribusiness—Other	19107	Particular Topics in Cosmetology	20110	Small Engine Mechanics
18301	Agricultural Production	19149	Cosmetology—Other	20111	Marine Mechanics
18302	Agricultural Processing	19151	Teaching Profession	20112	Heavy Equipment Mechanics
18303	Plant Processing	19152	Educational Methodology	20113	Aircraft Power Plant
18304	Animal Processing	19153	Teaching—Early Childhood Education	20114	Aircraft Airframe
18305	Food Product Processing			20115	Automotive Detailing and Reconditioning
18306	Aquaculture	19154	Particular Topics in Education	20116	Automotive Body Repair and Refinishing—Comprehensive
18307	Agriculture and Society	19155	Instructional Technology	20117	Particular Topics in Automotive Body Repair and Refinishing
18308	Agricultural Biotechnology	19199	Education—Other	20118	Boat Repair/Refinishing
18309	Particular Topics in Agricultural Production/Processing	19201	Clothing & Textiles	20119	Hybrid Engines
18310	Sustainable/Alternative Agriculture	19202	Clothing/Textile Maintenance	20120	Motorsports Technology
18311	Viticulture	19203	Apparel Construction	20149	Mechanics & Repair—Other
18349	Agricultural Production & Processing—Other	19204	Apparel and Textile Services	20151	Distribution—Comprehensive
18401	Agriculture	19205	Home Furnishing	20152	Warehouse Operations
		19206	Home Furnishings Production	20199	Distribution & Logistics—Other
		19207	Particular Topics in Apparel and Furnishings		
18402	Mechanics/Equipment/Structures	19249	Apparel & Furnishings—Other		
18403	Agriculture Mechanics and Equipment	19251	Family & Consumer Sciences—Comprehensive		
	Agriculture Structures				

20999	Transportation, Distribution & Logistics—Other	21105	Drafting—Electrical/Electronic
21001	Pre-Engineering Technology	21106	Drafting—Technical/Mechanical
21002	Engineering Applications	21107	CAD Design and Software
21003	Engineering Technology	21149	Drafting—Other
21004	Principles of Engineering	21999	Engineering & Technology—Other
21005	Engineering—Comprehensive	22101	Leadership
21006	Engineering Design	22102	School Orientation
21007	Engineering Design and Development	22103	School Governance
21008	Digital Electronics	22108	IB Creativity, Action, Service
21009	Robotics	22110	AP Seminar
21010	Computer Integrated Manufacturing	22111	IB Approaches to Learning
21011	Civil Engineering	22115	Academic Competition
21012	Civil Engineering and Architecture	22260	IB Personal Project, Middle Years
21013	Aerospace Engineering	<u>Pre-Kindergarten</u>	
21014	Biotechnical Engineering	23001	Early Childhood Education
21015	Particular Topics in Engineering	23002	Pre-kindergarten Self-contained
21016	Engineering Analysis		
21017	PLTW Introduction to Engineering Design		
21018	PLTW Principles of Engineering		
21019	PLTW Aerospace Engineering		
21020	PLTW Biological Engineering		
21021	PLTW Civil Engineering and Architecture		
21022	PLTW Computer Integrated Manufacturing		
21023	PLTW Digital Electronics		
21024	PLTW Environmental Sustainability		
21049	Engineering—Other		
21051	Technological Literacy		
21052	Technological Processes		
21053	Emerging Technologies		
21054	Technology Innovation & Assessment		
21055	Aerospace Technology		
21056	Particular Topics in Technology Applications		
21057	Laser/Fiber Optics		
21058	Geospatial Technology		
21059	Modeling & Simulation Technology		
20160	Wind Energy		
20161	Wind Turbine Construction & Operation		
20162	IB Design, Middle Years		
21099	Technology—Other		
21101	Drafting Careers Exploration		
21102	Drafting—General		
21103	Drafting—Architectural		
21104	Drafting—Civil/Structural		