

2025-2026 Middle School Program of Studies



Every student, without exception.



Hilliard City Schools

Hilliard City Schools will ensure that every student is Ready For Tomorrow.

Superintendent's Office 921-7000

David Stewart, *Superintendent*
Jill Abraham, *Assistant Superintendent of Curriculum*
Mike McDonough, *Deputy Superintendent*
Cori Kindl, *Executive Director of Curriculum*
Jacob Grantier, *Director of Secondary Education*
Herb Higginbotham, *Director of Elementary Education*
Mark Tremayne, *Director of Innovation and Extended Learning*

Board of Education 921-7000

Kelley Arnold
Kara Crowley
Beth Murdoch
Brian Perry
Zach Vorst

Hilliard Heritage Middle School

Joel Assenheimer, Principal
5670 Scioto Darby Road
Hilliard, OH 43026
614-921-7500 Main Office
614-921-7510 Guidance Office

Hilliard Memorial Middle School

Mindy Mordarski, Principal
2900 Walker Road
Hilliard OH, 43026
614-921-7600 Main Office
614-921-7620 Guidance Office

Hilliard Weaver Middle School

Katherine Hueter, Principal
4600 Avery Road
Hilliard OH 43026
614-921-7700 Main Office
614-921-7710 Guidance Office

The Innovation Campus/Online Academy

Stacy Carter, HUB Principal
3859 Main Street
Hilliard, OH 43026
614-921-4850 Main Office
614-921-4850 Guidance Office

Craig Vroom, ILC/OA Principal
5323 Cemetery Road
Hilliard, OH 43026
614-921-4800 Main Office
614-921-4831 Guidance Office

TABLE OF CONTENTS

General Information/Core Courses/Course Placement/Electives	4		
Student Schedule	5		
Earning High School Credit	6		
HS Graduation Requirements	7		
State Graduation Requirements	8		
Scheduling Courses/Units/Schedule Changes	9		
Promotion & Retention/Course Drop Policy/Credit Flexibility	10		
Gifted Services	11		
Athletic Eligibility/ Activities and Service Groups	12		
Middle School Plan Worksheet	13		
Entering Course Requests on HAC	14		
Course Offerings	15		
Course Descriptions	16		
English Language Arts	17	Science Pathways	25
English Learners	19	Social Studies	26
English Language Arts Pathways	20	Social Studies Pathways	27
Mathematics	21	Intervention	28
Mathematics Pathways	23	Electives	29
Science	24	Innovation Campus	34

The Hilliard City School District’s Middle School Program of Studies is subject to change and is revised periodically throughout the year. For the latest edition of the Program of Studies, please visit our website at www.hilliardschools.org.

Non Discrimination Statement (Title IX)

All of the courses, programs, and activities presented in this booklet are open to all students without regard to race, color, national origin, sex, or disability. This policy meets all requirements and directions of the U.S. Department of Education under Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973.

General Information / Core Courses / Elective Courses

General Information

The Hilliard City School District Middle School Program offers students an opportunity to extend their learning horizons through varied experiences both required and elective. All three Middle School programs (Heritage, Memorial and Weaver) strive to create opportunities for students to share in the responsibility of their growth and learning.

The Middle School Program of Studies consists of a group of required courses that are supplemented and enriched by a group of elective courses. In this way, students are taught basic and advanced skills and also have the opportunity to sample and explore a wide variety of topics in the visual and performing arts, wellness, and family and consumer science.

The middle school model is an excellent means of organization for teaching early adolescents and meeting their special developmental needs. This organizational model encourages and supports interdisciplinary initiatives as well as active parent involvement.

Core Courses

All middle school students take four core classes (Language Arts, Math, Social Studies and Science) daily for the entire year. Parents/Guardians need to check over the schedule to make sure their child is in the correct classes according to his/her ability.

Core courses are offered at different instructional levels. Please consult each course description in this Program of Studies for the specific criteria in regard to advanced courses.

Course Placement Process

Appropriate course placement decisions ensure a successful academic experience and avoid disruption to a student's schedule during the school year. In order to determine which course is most appropriate for your child, a committee, led by the Department of Curriculum and Instruction, analyzed the results from the *STAR* assessment. **Please take the recommendations established through the placement process seriously** as the *STAR* Early Literacy, *STAR* Reading and *STAR* Math are computer-adaptive assessments that are used for screening, progress monitoring and diagnostic assessment of students. These applications meet all criteria for scientifically based progress-monitoring tools set by the National Center on Student Progress Monitoring. These assessments have proven to be a great indicator for student placement; therefore, we are very confident that the established placement criteria is appropriate. These scores can be seen in your child's Home Access Center profile on the test score tab.

Another important component to the course selection process is to consider your child's teacher recommendation. Teacher recommendations are based on student mastery of content standards that build the skills necessary to be successful in the next course.

The purpose of the placement process is not to limit student or parent choice, but to ensure that such choices are based on the best available information about a student's tenacity and perseverance relative to the curricular challenges they will encounter in the coming year. Students wishing to enroll in an advanced course for the 2025 - 2026 school year should refer to the suggested criteria outlined in the course description.

Electives

Elective courses are offered to either 7th, 8th or both 7th and 8th grade students. Electives are offered as either one semester or two semester courses.

Some electives are offered at different instructional levels and have prerequisites. Please consult the elective section in this Program of Studies for the specific criteria for these courses.

Student Schedule

Student Schedule

In August, students will receive their schedule for classes. Below is a sample of what a typical schedule looks like in middle school.

Your Daily Schedule

The school day is divided into 8 periods.

Not every subject meets daily, all year long, but will be listed on your schedule period by period.

It will be helpful to read the period, class meeting days, and corresponding room numbers. Your classroom teacher will gladly help you interpret your schedule. **DO NOT HESITATE TO ASK.**

The following letter and number codes will be helpful:

- | | |
|---------------|-------------------------|
| M = Monday | M1 = 1st Grading Period |
| T = Tuesday | M2 = 2nd Grading Period |
| W = Wednesday | M3 = 3rd Grading Period |
| R = Thursday | M4 = 4th Grading Period |
| F = Friday | |

8/1/2023

Student Schedule

Schedule As Of 8/1/2023 12:00:00 AM

Student ID	Name	Gr	Hrm	Team	Counselor	Locker	Combination
Your ID #	Your Name Here	08					
Period	Course-Section	Description	Marking Periods	Days	Room	Teacher	
1	400006 - 1	French 1A	M1,M2	M,T,W,R,F	208	Dietrich, St	
1	400007 - 1	French 1B	M3,M4	M,T,W,R,F	208	Dietrich, St	
2	600500 - 5	Social Studies 8	M1,M2,M3,M4	M,T,W,R,F	213	Van Kirk, J	
3	100009 - 1	Advanced Art 3D	M1,M2	M,T,W,R,F	144	Lattig, Niki	
3	300360 - 4	Content Creators	M3,M4	M,T,W,R,F	167	Martin, B	
4	851900 - 2	8th Grade Lunch	M1,M2,M3,M4	M,T,W,R,F	CAFE	Ruffener, Brad	
5	100004 - 2	Advanced Art 2D	M1,M2	M,T,W,R,F	145	Stoflinsky, Kami	
5	450500 - 8	Fitness	M3,M4	M,T,W,R,F	MGM	Gilkerson, M	
6	550500 - 6	Science 8	M1,M2,M3,M4	M,T,W,R,F	128	Secor, K	
7	500500 - 10	Math 8	M1,M2,M3,M4	M,T,W,R,F	202	Miyamoto, A	
8	300500 - 14	Language Arts 8	M1,M2,M3,M4	M,T,W,R,F	205	Karaoglan, L	

Labels and arrows pointing to the schedule table:
 - **Grade Level** points to the '08' header.
 - **Homeroom #** points to the 'Gr' column.
 - **Team Name** points to the 'Hrm' column.
 - **Counselor's Name** points to the 'Team' column.
 - **Locker #** points to the 'Locker' column.
 - **Locker Combination** points to the 'Combination' column.
 - **Class Period** points to the 'Period' column.
 - **Course Codes** points to the 'Course-Section' column.
 - **Title of Course** points to the 'Description' column.
 - **Grading Periods** points to the 'Marking Periods' column.
 - **Days Courses Meet** points to the 'Days' column.
 - **Course Room** points to the 'Room' column.
 - **Teacher's Name** points to the 'Teacher' column.

High School Credit

Earning High School Credit

The Hilliard City School District's Board of Education policy determines the requirements for students earning high school credit for a course taken in middle school.

Students in the Hilliard City School District must meet the following requirements in order to earn high school credit for *Algebra I*, *Honors Geometry*, *All World Languages*, *Advanced Art*, *Advanced Physical Education* taken in middle school:

- *Earn passing grades throughout the school year*
- *Pass the course criteria (D or higher)*

The grade earned in a high school course taken in middle school will appear on the student's final high school transcript; however, the grade will be not be calculated in the high school grade point average.

In the event that a middle school student and/or parent decides that the student should withdraw from a high school course, the student must adhere to the Course Drop Policy for High School Credited Courses as outlined on [page 10](#).

Graduation Requirements

To graduate from a Hilliard City Schools High School, a student must meet the standards adopted by the State of Ohio, and the Hilliard City Schools Board of Education. **The ultimate responsibility for tracking and completing necessary credits for graduation lies with the students and parents. Any student who fails to meet the district’s graduation requirements shall not participate in commencement exercises or receive a diploma.**

Graduation Requirements		
Subject	Minimum Credit Requirement—21.5	
English	4	
World Studies	1	
U.S. History	1	
U.S. Government	1	
Science	3	1 credit Biology; 1 credit Physical Science
Math	4	Must include Algebra 2 or its equivalent
Health	0.5	
Physical Education	0.5	Students may waive the physical education requirement with participation in athletics, marching band, and/or cheerleading (see page 12 in HS Program of Studies). Students who pursue this option must earn one half elective credit in another subject-area to meet the minimum credit requirement for graduation (21.5 credits).
Future Ready	0.5	
Financial Literacy Elective	0.5	The financial literacy elective requirement can be fulfilled by taking one of the following courses during the Sophomore, Junior or Senior year : Business Academy, Careers & Money Management, Entrepreneurship, Financial Independence, Personal Finance, College Fundamentals, AP Microeconomics, AP Macroeconomics, Life Skills or CBI 3 Related. Note: Taking one of these prior to the Sophomore year will not fulfill the graduation requirement. This requirement is strongly encouraged for 10th graders who are interested in Tolles Career & Technical Center.
Capstone	0.5	The Capstone can be completed in a variety of ways/courses and must meet defined criteria. See page 10 (in HS Program of Studies) for additional details. The Capstone must be completed by December of their senior year. Athletic Eligibility: Physical Education classes and Capstone do not count as 1 of the 5 half credit classes.
Additional Electives	5	<p>1 credit must be earned in fine arts unless 2 semesters of fine arts coursework were successfully completed in middle school (grades 7-8). Successful completion of a Tolles, CBI or Career & Employ Development program fulfills the Fine Arts graduation requirement.</p> <p>Elective credits must include one or any combination of world language, fine arts, business, career-technical education, family and consumer sciences, pre-engineering or English, Mathematics, Science, or Social Studies not otherwise required.</p> <p>A high school credit can be assigned for fine arts if two YEARS of middle school music were successfully completed AND the second year was an ADVANCED course.</p> <p>Students must earn 5.0 Elective Credits in content areas other than Wellness.</p>
TOTAL CREDITS	21.5	

State Graduation Requirements

First

Earn 21.5 Credits



4 Credits English



4 Credits Math



3 Credits Social Studies



3 Credits Science



.5 Credit Future Ready



.5 Credit Financial Literacy Elective



.5 Credit Physical Education



.5 Credit Health




5 Credits Additional Electives



.5 Credit Capstone


Second

Show Competency




Earn a “competency score” on the Algebra I and ELA II (English 10) End of Course Test

OR




Two Career - Focused Activities

OR




College Credit Plus

OR



Military Enlistment

OR



ACT or SAT Remediation-Free Score

Third

Show Readiness

Earn 2 Diploma Seals

State Defined



















Locally Defined







Students must have a minimum of 1 State Seal

Scheduling Courses / Units / Schedule Changes

Scheduling Courses

[Click here](#) to use the template as a tool to build your schedule. Course descriptions begin on page 17.

7th Grade:

All students in seventh grade are required to take one course in the following areas:

- Language Arts
- Math
- Social Studies
- Science

All students in seventh grade must sign up for Physical Education/Health.

Seventh grade students can choose from the following electives:

- 2D Art
- 3D Art
- Advanced 2D Art
- Advanced 3D Art
- Advanced Project Art & Ecology
- 7th Grade Treble Choir
- 7th-8th Grade Tenor-Bass Choir
- BE²TA
- Career Explorations
- Coding & Collaboration
- Communication 101
- Content Creators
- Creative Writing
- Design & Robotics
- Digital Media
- Family & Consumer Science
- Fitness
- Global Leaders
- History of Rock & Roll as a Social Movement
- Magic of Electrons
- Music Alive
- Next Gen Changemakers
- Orchestra/Band
- Project Art & Ecology
- Project VIBE / Project VIBE 2.0

8th Grade:

All students in eighth grade are required to take one course in the following areas:

- Language Arts
- Math
- Social Studies
- Science

Eighth grade students can choose from the following electives:

- 2D Art
- 3D Art
- Advanced 2D Art
- Advanced 3D Art

- Advanced Project Art & Ecology
- Advanced Physical Education
- BE²TA
- Career Explorations
- Chinese, French, or Spanish
- 8th Grade Treble Choir
- 7th-8th Grade Tenor-Bass Choir
- Coding & Collaboration
- Communication 101
- Content Creators
- Creative Writing
- Design & Robotics
- Digital Media
- Family & Consumer Science
- Fitness
- Global Leaders
- Health Professionals Academy
- History of Rock & Roll as a Social Movement
- Magic of Electrons
- Music Alive
- Next Gen Changemakers
- Orchestra/Band
- Project Art & Ecology
- Project Business
- Project EDU
- Project VIBE / Project VIBE 2.0

Units

Each course is worth either half (0.5), one (1) or two (2) units based on length and number of class periods. One semester equals a half (0.5) unit. Two (2) semesters equals one (1) unit. All 7th and 8th grade students must have a total of seven (7) units when scheduling.

If a course is identified as a high school credited course, the term unit is replaced with the term credit. A credit and unit equal the same amount of value except for Advanced Physical Education. Advanced Physical Education is worth 0.5 units and 0.25 high school credits.

Schedule Changes

All schedule changes must be approved by the principal. Teachers, school counselors, students, parents, or administrators may initiate schedule changes. Since any schedule change is liable to disrupt a number of classes or have other hidden implications, requests for changes are considered very carefully. Reasons for which schedule changes might be approved include:

- To improve class load balance
- To change grouping if recommended by a teacher
- To drop an elective that is too difficult
- To add an elective within the first two weeks of the semester
- To improve a discipline situation

Schedule changes will not be approved for these reasons:

- Do not like the teacher
- Want to be with certain friends
- Want different lunch period

Promotion & Retention / Course Drop Policy / Credit Flexibility

Promotion and Retention of Students K-12

The promotion of each student is determined individually. The decision to promote a student or to retain a student in a grade is made on the basis of the following factors: reading level, mental ability, age, physical maturity, emotional and social development, social issues, home conditions and grade average.

Promotion procedures demand continuous analysis and study of the cumulative student case history records. Guidelines may include the following elements:

- A student receiving passing grades in the core courses is promoted
- A student having failing grades in the core courses at the end of each year is evaluated by the teachers, school counselor and principal for placement
- No conditional promotions are permitted
- A student having failing grades may be assigned to the next higher grade with discretion only with approval of the principal
- No student having passing grades, "D" or above, throughout the year is failed
- No student should be retained more than twice in the elementary grades. Documentary and anecdotal evidence should be available to justify retention
- A student with failing grades during any academic term may be provided with intervention services

Dropping a High School Credited Course

- The deadlines to withdraw from a semester-long **high school** credit-bearing course with no marks are:
 - * Semester 1 - one week past the end of Quarter 1
 - * Semester 2 - one week past the end of Quarter 3
- Dropping a course may endanger a student's graduation status, and/or athletic eligibility.

Credit Flexibility

In compliance with Senate Bill 311, the Hilliard City School District will offer students the opportunity to earn high school credit(s) through a credit flexibility program. "Credit flex" shifts the focus from evaluating student learning based on "seat time" to assessing a student's demonstrated academic and skill level or performance. With "Credit Flex," students will have options to show what they know, earn credit(s), and move on to higher-order content.

Students interested in learning more about credit flexibility options should contact their school counselor for details. It is important to note that there are specific guidelines and timelines that have been established and must be followed in order to be considered for participation in the Hilliard City Schools' credit flexibility program. Students choosing to pursue credit through credit flexibility should review these guidelines carefully.

More details can be found at the school district's website: www.hilliardschools.org/schools/creditflexibility/

Gifted Services



= course is considered a gifted services for qualifying students.

Courses in which students receive college credit (CCP) and courses with the icon are considered gifted services for students who have gifted identification in superior cognitive ability or the corresponding academic area. For example, AP English Language Composition is a gifted service for students identified gifted in superior cognitive ability and/or reading. Visual and performing arts courses that are indicated with the icon are considered gifted services for students who have gifted identification in superior cognitive ability or the corresponding visual or performing arts area.

High School Courses

English

AP English Language & Composition
AP English Literature & Composition

Math

AP Calculus AB
AP Calculus BC
AP Computer Science A
AP Computer Science Principles
AP Statistics

Science

AP Biology
AP Chemistry
AP Physics

Social Studies

AP European History
AP Psychology
AP U.S. Government
AP U.S. History
Political Science 200 - Liberal Democracy

Superior Cognitive Ability only

French 4
Spanish 4
AP Macroeconomics
AP Microeconomics

Visual and Performing Arts

Art Portfolio
AP 2-D Art and Design
Chamber Orchestra
Honors Chamber Orchestra
Wind Ensemble
Honors Wind Ensemble
Jazz Ensemble
Choir 400
Honors Choir 400
Academy VIBE 2: Music & Audio Component
Theatre Production and Performance

Middle School Courses

English

Honors Language Arts 7
Honors Language Arts 8
Honors 7th Core Infusion-ELA/Science
Honors 8th Grade Core Infusion-ELA/Science

Math

Honors Math 6
Accelerated Math 7
Accelerated Math 7 Core Infusion
Algebra 1
Honors Geometry (gifted service for grade 8 only)

Science

Honors Science 7
Honors Science 8

Social Studies

Honors Social Studies 7
Honors Social Studies 8

Visual and Performing Arts

Advanced Art 2D
Advanced Art 3D
Advanced Project Art and Ecology
Concert Orchestra (gifted service for grade 7 only)
Symphonic Band (gifted service for grade 7 only)

NOTE: CCP courses are available for students in grades 7-12. Click [here](#) for more information.

Athletic Eligibility / Activities and Service Groups

Athletic Eligibility

The Board of Education recognizes the values associated with and gained as a result of participation in interscholastic extracurricular activities and further recognizes the incentives that participation in interscholastic extracurricular activities provide to students to achieve success in the classroom. Interscholastic extracurricular eligibility will be evaluated during each nine-week grading period.

In order to be eligible to participate in any interscholastic extracurricular activities, students must meet the following requirements:

Grades 7-8

- In the immediately preceding grading period, a student must receive a minimum GPA of 1.5 on a 4.0 scale. This does not apply to students entering the seventh grade for the first time.
- Students whose GPA falls between 1.5 and 1.75 will be on academic probation. To maintain eligibility they must show acceptable academic performance with weekly progress checks throughout the current grading period.
- Students whose GPA falls below 1.5 for the immediately preceding grading period may be eligible to participate by taking a waiver and agreeing to go on academic probation under the criteria listed in the previous bullet point. This waiver provision can be applied only once in the three academic years for grades seven through nine.

NOTE: According to OHSAA bylaws, participating students must be enrolled in and passing four classes during the most recently completed grading period to be eligible for participation in middle school athletics. In order to be eligible for fall sports in ninth grade, students must be enrolled in and passing five classes during the last grading period of eighth grade.

Fall Sports:

- 7th grade Football
- 7th grade Volleyball (girls)
- Gymnastics
- 8th grade Football
- 8th grade Volleyball (girls)
- Girls Tennis
- Soccer (boys & girls)
- Cross Country (boys & girls)
- Golf
- 7th grade Football Cheerleaders
- 8th grade Football Cheerleaders

Winter Sports

- 7th grade Boys Basketball
- 7th grade Girls Basketball
- 8th grade Boys Basketball
- 8th grade Girls Basketball
- Wrestling
- 7th grade Basketball Cheerleaders
- 8th grade Basketball Cheerleaders

Spring Sports

- Track and Field (boys & girls)
- 7th & 8th grade Softball
- Boys Tennis
- 7th & 8th grade Baseball
- Boys & Girls Lacrosse
- Boys Volleyball

Activities and Service Groups

Each middle school has a number of activities and service groups open to students. An updated list of available clubs, extracurricular activities, and service groups can be found on the middle school websites.

Students should pay careful attention to school announcements, and postings for information about activities and service groups.

Middle School Plan Worksheet

Use the following templates to help you schedule your 7th and 8th grade years.

Grade 07			
Area	Course	Course Code	Unit
Language Arts			1
Math			1
Science			1
Social Studies			1
Physical Education/Health	Required	450100	0.5
Elective			
Elective			
Elective			
Elective			
Elective			
Total number of units must equal seven (7)			

Grade 08			
Area	Course	Course Code	Unit
Language Arts			1
Math			1
Science			1
Social Studies			1
Elective			
Elective			
Elective			
Elective			
Elective			
Elective			
Total number of units must equal seven (7)			

Things to consider when planning:

- All students are required to select one course from each of the core content areas (Language Arts, Math, Science, and Social Studies).
- **Physical Education/Health is a required elective course in seventh grade and must be selected**
- **Units - Students must register for 7 units each school year:**
 - One semester = 0.5 units
 - Two semesters = 1.0 unit
- Students are required to select either:
 - Three two-semester elective courses
 - Six one-semester elective courses
 - Any combination of both two semester and one semester courses to equal or total 7 credits

Entering Course Requests on HAC

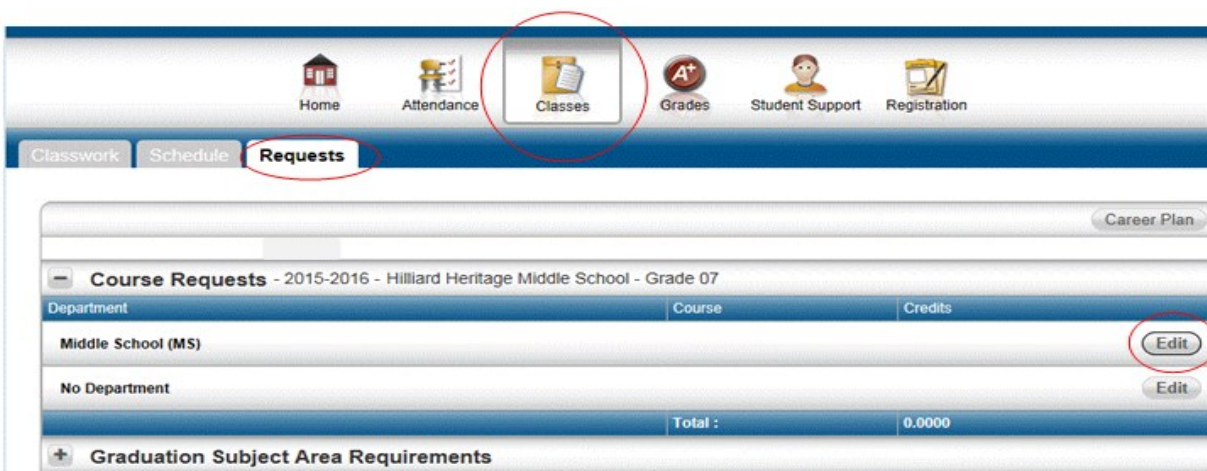
Using Home Access Center to select courses for next year

- To access Home Access Center from any browser, type <https://homeaccess.hboe.org> into the address bar.
- To access Home Access Center from your building website, click on the **Student Home Access** link.

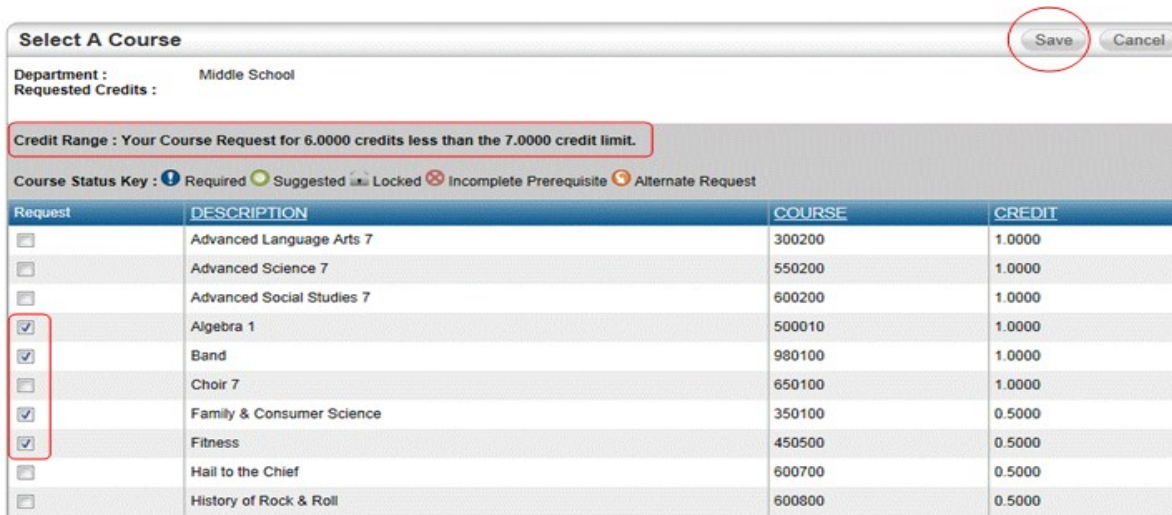
The login page is simple and straightforward. For students, your Username and Password are the same as what you use to log into the network when you are at school.

1. Enter your username and password and then click the 'Log In' button. You will see several buttons across the top of the screen. Click on the 'Classes' button.
2. Click on 'Requests.'

A screen similar to the one below will appear. To choose course requests for next year, click on the 'Edit' button next to the **Middle School** department.



3. A list of available courses will appear. Check the box next to each course that you wish to take for next school year. Click Save.



You may choose only as many courses as will fit into your schedule for next year. To completely fill your schedule, you should have a total of 7 credits.

If you choose too few or too many courses, a message will appear when you click 'Save' indicating you are below or above the credit limit. Adjust your choices as necessary and then click 'Save' again.

That's it.....you're done!

Course Offerings

English Language Arts

Course Name	Unit
300100 Language Arts 7	1
300200 Honors Language Arts 7	1
301000 Literacy Explorations 7	1
987000 **7th Grade Core Infusion	3
988100 **7th Grade Honors Core Infusion	3
300500 Language Arts 8	1
300600 Honors Language Arts 8	1
301500 Literacy Explorations 8	1
989000 **8th Grade Core Infusion	2
989050 **Honors 8th Grade Core Infusion	2
3020EL EL-English 1	2
3010EL EL-English 2	2
**EL Newcomer Center	Varies

Math

Course Name	Unit
500100 Math 7	1
500200 Accelerated Math 7	1
988150 **Math 7 Core Infusion	2
989160 **Accelerated Math 7 Core Infusion	2
500500 Math 8	1
50BL01 Algebra 1 A/B	1 HS Credit
50BL13 Honors Geometry A/B	1 HS Credit

Science

Course Name	Unit
550100 Science 7	1
550120 Honors Science 7	1
987000 **7th Grade Core Infusion	3
988100 **7th Grade Honors Core Infusion	3
550500 Science 8	1
550600 Honors Science 8	1
989000 **8th Grade Core Infusion	2
989050 **Honors 8th Grade Core Infusion	2

Social Studies

Course Name	Unit
600100 Social Studies 7	1
600200 Honors Social Studies 7	1
600500 Social Studies 8	1
600600 Honors Social Studies 8	1

Intervention:

Course Name	Unit
3001RR Language Arts 7	1
3005RR Language Arts 8	1
5001RR Math 7	1
5005RR Math 8	1
85RR03 Decisions	1
8510RR Supported Studies	1

Electives

Course Name	Unit
100100 2D Art	.5
100500 3D Art	.5
100004 Advanced 2D Art	.5 HS Credit
100009 Advanced 3D Art	.5 HS Credit
110200 **Project Art and Ecology	1
110300 **Adv. Project Art and Ecology	1 HS Credit
300750 Creative Writing	.5
300760 Communication 101	.5
300360 Content Creators	.5
300375 Digital Media	.5
150057 **BE ² TA	1
210425 **Next Gen Changemakers	1
350100 Family Consumer Science	.5
600750 Global Leaders	.5
600800 History of Rock & Roll	.5
210100 Design & Robotics	.5
210400 Coding & Collaboration	.5
150014 Career Explorations	.5
210300 Magic of Electrons	.5
651000 Cadet Band	1
651500 Concert Band	1
652000 Symphonic Band	1
650100 7th Grade Treble Choir	1
650500 8th Grade Treble Choir	1
650600 7th-8th Grade Tenor-Bass Choir	1
652500 Cadet Orchestra	1
653000 Concert Orchestra	1
654000 Music Alive	1
655000 **Project VIBE	1
40BL01 French 1	1 HS Credit
40BL05 Spanish 1	1 HS Credit
40BL07 Chinese 1	1 HS Credit
450100 Physical Education/Health	.5
450500 Fitness	.5
450004 Advanced Physical Education	.25 HS Credit
997000 **Health Professionals Academy	1
150500 **Project Business	1
350500 **Project EDU	1

**Offered only at the Innovation Campus

Course Descriptions

Icon Key




New Course Offering



High School Credited Course



Course is considered gifted service for qualifying students

Course Code	→	#550120		←	Icon Descriptor
Length of course	→	Two Semesters 1 Science Unit		←	Number of units <u>or</u> type of high school credit earned if course is identified as a high school credited course
Course Title	→	Honors Science 7 Students taking Honors Science 7 cover the same standards of Science 7 but in greater depth. There will be an emphasis on application of knowledge, graphical and numerical analysis of data, and problem solving. <i>Grade level: 7</i>		←	Grade level eligible for course
Course Description	→				

NOTE: All courses offered are based on full capacity.
If enrollment is not at capacity, the course may not be offered.

English Language Arts

#300100

Two Semesters 1 English Unit

Language Arts 7

Language Arts 7 follows a curriculum based on Ohio's Learning Standards for English Language Arts for grade 7. As students work to achieve mastery of the standards, they will read, write about, and interpret literature. Literature will include texts of varying complexity and interests, including the exploration of high-quality contemporary pieces. Students will practice effective reading strategies and develop close reading skills as they analyze texts. All parts of the writing process will be integral to the course, with students actively involved in the writing process of prewriting, drafting, revising, and editing for various pieces. Time will also be spent studying aspects of grammar and basic writing conventions.

Grade Level: 7

#300200

Two Semesters 1 English Unit

Honors Language Arts 7

Honors Language Arts 7 follows the same standards-based curriculum as Language Arts 7, but with greater depth and an accelerated pace.

Grade Level: 7

#300500

Two Semesters 1 English Unit

Language Arts 8

Language Arts 8 follows a curriculum based on Ohio's Learning Standards for English Language Arts for grade 8. As students work to achieve mastery of the standards, they will read, write about, and interpret literature. Literature will include texts of varying complexity and interests, with students reading both high-quality contemporary and classic pieces. Students will practice effective reading strategies and develop close reading skills as they engage in critical analysis of texts. All parts of the writing process will be integral to the course, with students actively involved in the writing process of prewriting, drafting, revising, and editing for various pieces. Time will also be spent studying aspects of grammar and basic writing conventions.

Grade Level: 8

#300600

Two Semesters 1 English Unit

Honors Language Arts 8

Honors Language Arts 8 follows the same standards-based curriculum as Language Arts 8, but with greater depth and an accelerated pace.

Grade Level: 8

#301000

Two Semesters 1 English Unit

Literacy Explorations 7

Literacy Explorations will support students' Language Arts class work, while also providing intensive reading intervention.

This course is for seventh graders who have been identified by state and local testing data, and/or teacher recommendation. Teacher permission is required to register for this course. Literacy Explorations is a rigorous intervention class that will focus on a student's individual needs with spelling, vocabulary, reading, comprehension, grammar, fluency, and writing processes and conventions. Students will use the READ180 Intervention Program with an intense focus on literacy acceleration through skill-based texts and activities.

Grade Level: 7

Prerequisite: Teacher Recommendation

#301500

Two Semesters 1 English Unit

Literacy Explorations 8

Literacy Explorations will support students' Language Arts class work, while also providing intensive reading intervention.

This course is for eighth graders who have been identified by state and local testing data, and/or teacher recommendation. Teacher permission is required to register for this course. Literacy Explorations 8 is a rigorous intervention class that will focus on a student's individual needs with spelling, vocabulary, reading, comprehension, grammar, fluency, and writing processes and conventions. Students will use the READ180 Intervention Program with an intense focus on literacy acceleration through skill-based texts and activities.

Grade Level: 8

Prerequisite: Teacher Recommendation

English Language Arts at the Innovation Campus

#987000

Two Semesters 1 English Unit
1 Science Unit
1 Elective Unit

7th Grade Core Infusion

The focus of the Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Language Arts 7, Science 7, and Discover Design Thinking. Students will engage with grade level curriculum through project-based learning with an emphasis on Design Thinking. Core Infusion uses standards-referenced instruction, assessment, and a mastery-based grading system that encourages a high level of academic competence paired with a growth mindset.

- **Language Arts 7**
- **Science 7**
- **Discover Design Thinking**

This is a year-long, three period block and is located at The Hub on the Innovation Campus. **Enrollment is limited.**

Click [here](#) for more information

#988100

Two Semesters 1 English Unit 
1 Science Unit
1 Elective Unit

Honors 7th Grade Core Infusion

The focus of the Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Honors Language Arts 7, Honors Science 7, and Discover Design Thinking. Students will engage with grade level curriculum through project-based learning with an emphasis on Design Thinking. Core Infusion uses standards-referenced instruction, assessment, and a mastery-based grading system that encourages a high level of academic competence paired with a growth mindset.

- **Honors Language Arts 7**
- **Honors Science 7**
- **Discover Design Thinking**

This is a year-long, three period block and is located at The Hub on the Innovation Campus. **Enrollment is limited.**

Click [here](#) for more information

#989000

Two Semesters 1 English Unit
1 Science Unit

8th Grade Core Infusion


The focus of the Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Language Arts 8 and Science 8. Students will engage with grade level curriculum through project-based learning with an emphasis on Design Thinking. Core Infusion uses standards-referenced instruction, assessment, and a mastery-based grading system that encourages a high level of academic competence paired with a growth mindset.

- **Language Arts 8**
- **Science**

This is a year-long, two period block and is located at The Hub on the Innovation Campus. **Enrollment is limited.**

Click [here](#) for more information

#989050

Two Semesters 1 English Unit 
1 Science Unit

Honors 8th Grade Core Infusion

The focus of the Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Honors Language Arts 8, and Honors Science 8. Students will engage with grade level curriculum through project-based learning with an emphasis on Design Thinking. Core Infusion uses standards-referenced instruction, assessment, and a mastery-based grading system that encourages a high level of academic competence paired with a growth mindset.

- **Honors Language Arts 8**
- **Honors Science 8**

This is a year-long, two period block and is located at The Hub on the Innovation Campus. **Enrollment is limited.**

Click [here](#) for more information

English Learners

English learner (EL) courses are designed to provide our multilingual students with effective, evidence-based instruction, which facilitates the acquisition of the English language skills and content knowledge necessary to access broader curricular and extracurricular opportunities. **Course offerings may vary by building and grade level.**

#3020EL

Two Semesters 2 English Units

EL English 1

Beginning-level multilingual learners in this course will acquire essential English language skills through evidence-based instruction in the appropriate Ohio ELP and ELA standards. Students are placed in this course based on the results of state language assessments, district reading assessments, and teacher recommendations.

Grade Level: 7 and 8

**This course meets for two periods*

#3010EL

Two Semesters 2 English Units

EL English 2

Intermediate-level multilingual learners in this course will continue developing their English language skills through evidence-based instruction in the appropriate Ohio ELP and ELA standards. Students are placed in this course based on the results of state language assessments, district reading assessments, and teacher recommendations.

Grade Level: 7 and 8

**This course meets for two periods*

EL Courses held only at the Newcomer Center at the Innovation Campus:

Hilliard City Schools offers a one-year, three-period learning experience at The Newcomer Center for English Learners (ELs) in grades 6-12 who are new to the country (0-1 year) at the emerging English level (0-1 on OELPS/OELPA). Newcomer Center staff provides a highly-effective, culturally responsive instructional program for students in grades 6-12 where they can acquire the essential English language skills necessary to access broader academic and social opportunities. Students whose language and literacy skills rapidly improve may exit the program in less than one year. High School students can earn one elective credit in English Foundations and one English credit in EL-English Language Arts. High School students can also earn one math credit in EL-Algebra I Workshop or one elective credit in EL-Algebra Foundations.

Language Arts 6, 7, or 8

English learners in this course will acquire the essential English language skills necessary to communicate at the emerging level through evidence-based instruction in the appropriate Ohio ELP and ELA standards. Students are placed in this course by the EL Teacher Leaders based on OELPS/OELPA scores, formal education background, and time in the US.

English Foundations

Emerging-level English learners in this course will acquire foundational pronunciation, vocabulary, grammar, and literacy skills through evidence-based instruction in the appropriate Ohio ELP and ELA standards. Students are placed in this course by the EL Teacher Leaders based on OELPS/OELPA scores, formal education background, and time in the US.

EL-Math

Beginning-level multilingual learners in EL Math will receive an introduction to foundational, grade-level math concepts. Teachers will employ a combination of whole class, small group, and personalized instructional strategies and resources, to meet the needs of a variety of students' mathematical and linguistic needs.

English Language Arts Course Pathways Grade 6-9

Please Note: A well-suited language arts program for any student must have flexibility built in the process. Classroom and achievement data must be reviewed continuously to determine proper placement and make the appropriate program changes for students.

Grade 6	Grade 7	Grade 8	Grade 9
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;">Language Arts 6</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;">Honors Language Arts 6~</div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;">Language Arts 7</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;">Language Arts 7 Core Infusion</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;">Honors Language Arts 7 ~</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;">Honors Language Arts 7~ Core Infusion</div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;">Language Arts 8</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;">Language Arts 8 Core Infusion</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;">Honors Language Arts 8 ~</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;">Honors Language Arts 8~ Core Infusion</div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;">English 9</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto;">Honors English 9</div>

~These courses are considered Gifted Services.

Mathematics

#500100

Two Semesters 1 Mathematics Unit

Math 7

This course is aligned to Ohio Math Learning Standards for 7th grade math. The instructional units for this course include operations with integers and rational numbers; working with multi-step expressions, equations, and inequalities; extending the concepts of ratios, proportional reasoning, and percents; geometric relationships which include properties of triangles, angles, areas of composite figures; area/circumference of circles; surface area & volume; probability and statistics. Students in Math 7 will proceed to Math 8.

Grade Level: 7



#500200

Two Semesters 1 Mathematics Unit

Accelerated Math 7

This course is aligned to Ohio Math Learning Standards for 7th and half of 8th grade. Accelerated Math 7 prepares students for the formalized study of Algebra 1. As this course compacts 1.5 years of content into 1 year, it is a fast-paced and highly rigorous course. Mastery of prerequisite understandings are essential as the focus of this course will only involve Grade 7 and 8. The instructional units for this course include Operations with Integers; Rational and Irrational Numbers; Exponents and Scientific Notation; Expressions, Equations, and Inequalities; Ratios, Percents, and Proportional Reasoning; Transformations and Congruence; Relationships in 2D, including geometric properties of triangles, angles, and lines; Measurement in 2D and 3D; Dilations and Similarity; Linear Relationships; Probability and Statistics. Students who successfully complete Accelerated Math 7 will move on to Algebra 1A/1B.

Grade Level: 7

Suggested Criteria: Teacher recommendation and successful completion of Math 6 or Honors Math 6

#50BL01

Two Semesters 1 Mathematics Credit

Algebra 1A / 1B

A student who selects this course will be enrolled in both A and B.

This high school accredited course is aligned to Ohio Math Learning Standards and is designed to provide students with a solid foundation upon which all future math courses will build. Concepts studied in this course include Understanding Functions, Systems of Linear Equations & Inequalities, Polynomial Expression & Equations, Graphing and Writing Linear, Quadratic and Exponential Functions, Working with Quadratic and Polynomial Expressions and Equations, and Statistical Analysis. All units incorporate a strong element of mathematical modeling. Students who successfully complete Algebra 1A/B proceed to Honors Geometry A/B.

Grade Level: 7 and 8

Prerequisite: Accelerated Math 7

Suggested Criteria: Teacher recommendation AND Successful completion of Accelerated Math 7

Note: Students enrolled in this course will take the Algebra 1 State End of Course Test.



#500500

Two Semesters 1 Mathematics Unit

Math 8

This course is aligned to Ohio Math Learning Standards for 8th grade. The instructional units for this course include Transformations in the Coordinate plane; Special Angle Relationships, Similarity and Dilations, Exponents and Scientific Notation, Irrational Numbers & The Pythagorean Theorem, Linear Equations, Functions & Linear Relationships, Exploring Data, and Volume of Curved Surfaces. Students will proceed from Math 8 to Algebra 1A/1B in High School.

Grade Level: 8



#50BL13

Two Semesters 1 Mathematics Credit

Honors Geometry A / B

A student who selects this course will be enrolled in both A and B.

This course is aligned to Ohio Math Learning Standards but will also investigate extension topics beyond the required standards; many of which will require strong algebra skills. Students in this course will explore concepts more deeply, with higher rigor, and with high expectation of mastery. Concepts studied in this course include Essentials of Geometry, Logic and Proof, Parallel & Perpendicular Lines, Rigid Transformations and Congruence, Properties of Triangles, Similarity and Dilations, Right Triangle Trigonometry, Circles, Conditional Probability, Polygons and Quadrilaterals, and Three Dimensional Geometry. Upon successful completion of Honors Geometry, students proceed to Honors Algebra 2.

Grade Level: 8

Prerequisite: Students who successfully completes Algebra 1A/1B with an 83% or higher test average AND Teacher Recommendation

Note: Students enrolled in this course will take the Geometry State End of Course Test.

Mathematics at the Innovation Campus

#988150

Two Semesters

1 Math Unit
1 Elective Unit

Math 7 Grade Core Infusion

The focus of the Math Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Math 7 and the Innovation Studio elective. Curriculum will be built thematically around Math 7 standards and the concepts in the Innovation Studio program and will also include work within the Design Thinking Framework.

- **Math 7**
- **Innovation Studio**

This is a year-long, two period block and is located at The Hub on the Innovation Campus. **Enrollment is limited.**

Click [here](#) for more information

#989160

Two Semesters

1 Math Unit
1 Elective Unit



Accelerated Math 7 Core Infusion

The focus of the Accelerated Math Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Honors Math 7 and the Innovation Studio elective. Curriculum will be built thematically around Math 7 standards and the concepts in the Innovation Studio program and will also include work within the Design Thinking Framework.

- **Accelerated Math 7**
- **Innovation Studio**

This is a year-long, two period block and is located at The Hub on the Innovation Campus. **Enrollment is limited.**

Click [here](#) for more information

Mathematics Course Pathways Grades 6-9

Please Note: A well suited mathematics program for any student must have flexibility built in the process. Classroom and achievement data must be reviewed continuously to determine proper placement and make the appropriate program changes for students.

Grade 6	Grade 7	Grade 8	Grade 9
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Math 6</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Accelerated Math 6~</div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Math 7</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Math 7 Core Infusion</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Accelerated Math 7~</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Accelerated Math 7 ~ Core Infusion</div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Math 8</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Algebra 1*~</div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Algebra 1 w/Workshop</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Algebra 1</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Geometry</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Honors Geometry~</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 10px auto;">Honors Algebra 2</div>

*This is a high school credited class. Your child's final grade will be posted on his/her high school transcript.
 ~These courses are considered Gifted Services.

Science

#550100

Two Semesters 1 Science Unit

Science 7

This general science course is aligned to Ohio's Learning Standards. This science course focuses on helping students use scientific inquiry to discover patterns, trends, structures and relationships in nature. All of the topics within this course incorporate the cycling of matter and the flow of energy within a system. The main topics included in Science 7 are: ecosystems and biomes, ocean and atmospheric currents, cycles and patterns of the earth and the moon, the carbon cycle (photosynthesis and respiration) basic chemistry and the periodic table, and waves and electricity.

Grade Level: 7

#550120

Two Semesters 1 Science Unit

Honors Science 7

Students taking Honors Science 7 cover the same standards of Science 7 but in greater depth. There will be an emphasis on application of knowledge, graphical and numerical analysis of data, and problem solving.

Grade level: 7

#550500

Two Semesters 1 Science Unit

Science 8

This general science course is aligned to Ohio's Learning Standards. This science course includes science concepts, processes and ways of thinking. Earth science is a major part of this course, where students examine the Earth's structure, plate tectonics, land formations, constructive and destructive processes, the geological time scale and dating of rocks and fossils. In life science, students will explore how natural selection affects populations. They will study differences between asexual and sexual reproduction, the relationship between meiosis and mitosis and Mendel's Laws of Heredity. In physical science, students study the effects of balanced and unbalanced forces as well as contact and noncontact forces.

Grade Level: 8

#550600

Two Semesters 1 Science Unit

Honors Science 8

Students taking Honors Science 8 cover the same standards of Science 8 but in greater depth. There will be an emphasis on application of knowledge, graphical and numerical analysis of data, and problem solving.

Grade Level: 8

Science Courses held only at the Innovation Campus:

7th Grade Core Infusion
Honors 7th Grade Core infusion
8th Grade Core Infusion
Honors 8th Grade Core Infusion

Science Course Pathways Grades 6-9

Please Note: A well suited science program for any student must have flexibility built in the process. Classroom and achievement data must be reviewed continuously to determine proper placement and make the appropriate program changes for students.

Grade 6	Grade 7	Grade 8	Grade 9
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 80px; margin: 0 auto;">Science 6</div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 100px; margin: 0 auto;">Science 7</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 120px; margin: 0 auto;">Science 7 Core Infusion</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 140px; margin: 0 auto;">Honors Science 7~</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 140px; margin: 0 auto;">Honors Science 7~ Core Infusion</div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 80px; margin: 0 auto;">Science 8</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 120px; margin: 0 auto;">Science 8 Core Infusion</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 140px; margin: 0 auto;">Honors Science 8~</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 140px; margin: 0 auto;">Honors Science 8~ Core Infusion</div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 80px; margin: 0 auto;">Biology</div> <p>OR</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 120px; margin: 0 auto;">Honors Biology</div>

~These courses are considered Gifted Services.

Social Studies

#600100

Two Semesters 1 Social Studies Unit

Social Studies 7

Social Studies 7 is a study of world history, beginning with ancient Greece and continuing through global exploration. The students will discover the factors that shaped our past and continue to influence life today. All four social studies strands are used to illustrate how historic events are shaped by geographic, social, cultural, economic and political factors. The impacts of past civilizations will include Greece's influence on political systems, Rome's technological contributions, the evolution of the arts and religion during the Renaissance and Reformation movements, and the diffusion of culture across the globe.

Grade Level: 7

#600200



Two Semesters 1 Social Studies Unit

Honors Social Studies 7

Students taking Honors Social Studies 7 cover the same standards of Social Studies 7 but with greater depth of content and at an accelerated pace. Students will explore extended readings of historical content, and use multiple original source documents to develop a deeper understanding of history.

Grade Level: 7

#600500

Two Semesters 1 Social Studies Unit

Social Studies 8

Social Studies 8 is a study of the discovery of America, from Christopher Columbus to the end of the Civil War and Reconstruction. Discover how a simple collection of colonies become the greatest nation on earth, defeating the most powerful monarch of Europe, only to find themselves in a fight over their own land. Students will learn the economic factors that lead to the practice of slavery and the cultural influence that will influence America until this day. See how a nation grows and learn about the greatest leaders and documents of our time, such as the Declaration of Independence, Constitution, and the Bill of Rights. The founding fathers and the sixteen Presidents that follow, are just a few of the examples of people that carved America into the nation we now call home.

Grade Level: 8

#600600



Two Semesters 1 Social Studies Unit

Honors Social Studies 8

This is an advanced Social Studies course for the 8th grade student. This course leads students on an interactive study of the seven key events that have fundamentally created America. Beginning in 1492 with Columbus's discovery of America through reconstruction in 1877, students will utilize a number of informational sources, both print and digital to illustrate the aftermath of these events and how their impact still resonates with us today. Students will work collaboratively on project based units to make connections to 20th and 21st century events that continue to impact the world as we know it today.

Grade Level: 8

Social Studies Course Pathways Grades 6-9

Please Note: A well suited social studies program for any student must have flexibility built in the process. Classroom and achievement data must be reviewed continuously to determine proper placement and make the appropriate program changes for students.

Grade 6	Grade 7	Grade 8	Grade 9
Social Studies 6	Social Studies 7	Social Studies 8	World Studies
	OR	OR	OR
	Honors Social Studies 7~	Honors Social Studies 8~	Honors World Studies

~These courses are considered Gifted Services.

Intervention

Enrollment in all Intervention Courses Requires Permission.
Do not register for an intervention course without first consulting with a school counselor.

#3001RR Language Arts 7
#3005RR Language Arts 8

Two Semesters 1 English Unit

Language Arts 7 and 8

Language Arts 7 and 8 are a rigorous class with specially designed instruction that will focus on the student's individual needs within reading comprehension, reading fluency, vocabulary, writing processes, conventions, grammar, and spelling. Students will use a multi-sensory approach to learning that has an intense focus on literacy acceleration through skills-based texts and activities.

#85RR03

One Semester

Decisions

Decisions provides explicit teaching strategies and approaches for improving processing skills, social skills, and positive behavior. In addition, students will receive intervention support in their academic courses with explicit instruction on time management and executive functioning.

Students may repeat this course as needed

#5001RR Math 7

Two Semesters 1 Mathematics Unit

Math 7

Math 7 is a rigorous intervention class will focus on the student's individual needs regarding concepts such as operations with integers and rational numbers; multi-step expressions, equations, and inequalities; ratios, proportional reasoning, and percents; geometric relationships; area/circumference of circles; surface area & volume; probability and statistics. Students will learn through a variety of methods that include small group instruction, modeling, software, and other technology components designed to enhance understanding.

#8510RR

One Semester

Supported Studies

Supported Studies is a course designed for students needing specially designed instruction. The class provides targeted interventions/instruction on specific goal areas with frequent progress monitoring. In addition, students will receive intervention support/tutoring in their academic courses and assessment/instruction on transition goals written in their individual plan.

Students may repeat this course as needed

#5005RR Math 8

Two Semesters 1 Mathematics Unit

Math 8

Math 8 is a rigorous intervention class that will focus on the student's individual needs regarding concepts such as transformations in the coordinate plane; special angle relationships, similarity and dilations; exponents and scientific notation; irrational numbers and the Pythagorean theorem; linear equations, functions and linear relationships; and volume of curved surfaces. Students will learn through a variety of methods that include small group instruction, modeling, software, and other technology components designed to enhance understanding.

COURSE TITLE*	CODE	COURSE TITLE*	CODE
Language Arts 7	3001MD	Social Studies 7	6001RR
Language Arts 8	3005MD	Social Studies 8	6005RR
Language Arts 6	3060MD	Supported Studies	8510RR
Math 7	5001MD	Decisions	85RR03
Math 8	5005MD	Language Arts 7	3001CT
Math 6	5060MD	Language Arts 8	3005CT
Science 7	5501MD	Literacy Explorations 7	3010CT
Science 8	5502MD	Literacy Explorations 8	3015CT
Life Skills	5510MD	Math 7	5001CT
Science 6	5560MD	Accelerated Math 7	5002CT
Social Studies 7	6001MD	Math 8	5005CT
Social Studies 8	6002MD	Algebra 1A	50CT02
Vocational Skills	6010MD	Algebra 1B	50CT03
Social Studies 6	6060MD	Science 7	5501CT
Supported Studies	8510MD	Science 8	5505CT
Language Arts 7	3001RR	Social Studies 7	6001CT
Language Arts 8	3005RR	Social Studies 8	6005CT
Literacy Explorations 7	3010RR	Math 7	5001SH
Literacy Explorations 8	3015RR	Math 8	5005SH
Math 7	5001RR	Science 7	5501SH
Math 8	5005RR	Science 8	5505SH
Science 7	5010RR	Social Studies 7	6001SH
Science 8	5505RR	Social Studies 8	6005SH
Life Skills	5510RR		

* See specific content areas for course descriptions.

Electives

#300750

One Semester 0.5 Elective Unit

Creative Writing

- *Learn various techniques and tools for fiction writing through the study of mentor texts, real-world models, peer review and critique*
- *Apply analysis of mentor texts to find inspiration for authentic creative pieces*

In the environment of a writer's workshop, students will craft various writings, ranging from poems to short stories to play scripts. Students will have opportunities to comment on, critique, and analyze other students' work as well as to share their own. Mentor texts will be studied throughout the course as models of real-world creative pieces; from these texts, students will learn strategies that writers employ and even find inspiration for their own creative pieces.

Grade Level: 7 and 8

#300760

One Semester 0.5 Elective Unit

Communication 101

- *Equip learners with relevant communication and digital literacy skills*
- *Develop confidence in the communication of ideas through different mediums*
- *Apply these skills to authentic speaking and presenting opportunities throughout the course*

With a focus on speaking and presentation skills for today's world, this course will help students to grow their confidence and ability to effectively communicate ideas in a variety of ways that are significant for learning and beyond. Students will learn how to speak and write with clarity, listen effectively, and leverage communication skills to entertain, inform, and persuade.

Grade Level: 7 and 8

#300375

One Semester 0.5 Elective Unit

Digital Media

- *Develop basic technology skills and apply these to a variety of tools and platforms*
- *Explore the wide variety of technology-based tools to create multimedia presentations*
- *Create authentic digital pieces both independently and collaboratively*

Students will create multimedia presentations using current software tools and applications. This course provides students the opportunity to craft digital pieces both independently and collaboratively. Studies in this course include video production, digital photography techniques and editing, storytelling, and graphic design.

Grade Level: 7 and 8

#300360

One Semester 0.5 Elective Unit

Content Creators

- *Explore the wide variety of technology-based tools to create multimedia presentations*
- *Develop interviewing, research, and reporting skills*
- *Create, edit, and share authentic and modern digital content for school announcements*

Students will learn how to create relevant and exciting content about events happening in their school and community. They will collaborate with classmates to produce the school announcements by means of conducting interviews, reporting information, creating advertisements, and editing their work for publication. Students will examine information available in today's digital world, and apply this learning in their own practice of journalistic values as they create interesting content for a specific and authentic audience.

Grade Level: 7 and 8

#350100

One Semester 0.5 Elective Unit

Family Consumer Science

- *Develop and practice essential durable skills in cooking and preparation for adult independence*
- *Apply learning to build positive relationships, manage finances, sustain nutrition for lifelong health, and explore possible educational and employment opportunities*

This course will provide students with an overview of Family and Consumer Sciences. Students will be introduced to food preparation, safety and sanitation and nutritional meal choices. Additionally, students will identify financial literacy and consumer economic principles. Students will be introduced to family relationship concepts and will develop communication leadership and career investigation skills.

Grade Level: 7 and 8

#600750

One Semester 0.5 Elective Unit

Global Leaders

- *Explore the skills and mindset of leaders from around the world*
- *Consider what makes a leader effective*
- *Develop an understanding of how leaders impact change*

Are leaders born or made? What makes someone want to listen to and follow a leader? What conditions allow for certain individuals to lead effectively? From those in positions of power to everyday citizens who work to bring about change in their communities, students will explore the skills and mindsets that leaders around the world use to make the world a better place.

Grade Level: 7 and 8

Young Professional courses at the Innovation Campus:
[Health Professionals Academy](#)
[Project Business](#)
[Project EDU](#)

Electives

#600800

One Semester 0.5 Elective Unit

History of Rock & Roll as a Social Movement

- *Explore, discover, and discuss the relationship between society and music from 1950 to the 2000s*
- *Investigate historical events that helped to shape the music of the time and how artists attempted to influence history through their music*

This class will examine the history of rock and roll and its origins from the 1950's until today. The class will emphasize rock and roll as an agent of social expression/ change while juxtaposing the music upon the political and social landscape of America at that time.

Grade Level: 7 and 8

#210100

One Semester 0.5 Elective Unit

Design & Robotics

- *Introduce the engineering and design process through hands-on learning using current technologies*
- *Build, manipulate, and program mechanical structures through a focus on automation and robotics*
- *Explore opportunities in engineering beyond high school*

This class uses solid modeling to introduce students to the design process. Students learn sketching techniques and use descriptive geometry as a component of design, measurement, and computer modeling. Students also trace the history and development of automation and robotics. They learn about structures, energy transfer, machine automation, and computer control systems. Students acquire knowledge and skills in engineering problem solving and explore requirements for careers in engineering.

Grade Level: 7 and 8

#210400

One Semester 0.5 Elective Unit

Coding & Collaboration

- *Build foundational coding skills and apply these to a variety of programming platforms*
- *Learn the basics of several programming languages and engage in hands-on experiences*

This course is dynamic, fun, and so much more than computer coding. Students will develop collaborative problem solving skills using plugged and unplugged strategies. Experiential learning will take place in a hands-on, minds-on atmosphere where students will be encouraged to take risks, be creative, and fail forward. Input from business partners like Apple, Amazon, Chase, and Cardinal Health have guided the design and development of this course. Students will utilize Sphero Robots, Parrot Drones (yes we will fly and code drones), Micro:Bits, as well as various other activities.

Grade Levels: 7 and 8

#150014

One Semester 0.5 Elective Unit

Career Explorations

The Middle School course bridges the gap between classroom learning and marketable skills in the rapidly changing world of work. It fosters hands-on learning and local business engagement, enabling students to gain fundamental competencies across diverse career fields. These experiences empower students to make informed career choices by identifying their interests and developing an understanding of how personal characteristics shape their career paths. The curriculum also introduces career pathways, directly linking them to opportunities for future courses. This course provides a comprehensive view of education, training, wages, and job prospects for related occupations, paving the way for increased awareness and continued exploration. Whether pursuing college, certification, or immediate employment, this course tailors career pathways to each student's unique ambitions, facilitating career exploration and aligning academic plans with their goals.

Grade Levels: 7 and 8

#210300

One Semester 0.5 Elective Unit

Magic of Electrons

- *Apply an understanding of basic electrical circuits and electricity to the engineering and design process*
- *Connect prior learning from Design & Robotics to deeper investigation of automation and robotics and its role in current technologies*

Magic of Electrons is a course that will combine elements of the design process and mechanical systems with the basic principles of electricity. Students will learn how to measure voltage and how to convert energy into electricity. A more in depth look at the design process will allow students to prototype motors and electrical circuits as well as test and create light circuits. Students will also explore 21st century technology to understand the logic and intricacies behind the devices that make our everyday lives more enjoyable. Automated systems and 3D design will be explored at an accelerated level. An intensive look at automation and robotics will allow students to enrich programming skills by applying them to solve modern day problems in a more efficient manner for real-world use.

Grade Level: 7 and 8

Prerequisite: Design & Robotics

Imagination courses at the Innovation Campus:

[Next Gen Changemakers](#)
Be²ta

Electives

Successfully completing 2 semesters of fine arts coursework will fulfill the Hilliard City School District Graduation Requirement in Fine Arts. Only Advanced middle school fine arts coursework can count for the State Graduation option for the Fine and Performing Arts Seal.

#100100
 One Semester 0.5 Elective Unit

2D Art

- *Develop and use basic drawing and painting techniques as well as a variety of media to create a variety of two-dimensional works of art*
- *Receive feedback and critique, reflect, and revise works of art*


In Two Dimensional (2D) Art, students will demonstrate the proficiency of creative problem solving, strengthening and utilizing observation skills, and application of relevant drawing and painting techniques. Terminology of proximity, angle, line, shape, visual flow, and composition will be the foundation in producing quality two-dimensional works. Students will demonstrate the appropriate use of media, room facilities, and time management as they produce quality work that reflects an understanding of learned skills.
Grade levels: 7 and 8

#100500
 One Semester 0.5 Elective Unit

3D Art

- *Experiment with and explore a variety of media to create authentic and personalized three-dimensional works of art*
- *Receive feedback and critique, reflect, and revise works of art*

In Three Dimensional (3D) Art, students will produce a well crafted sculpture that demonstrates the proficiency of techniques required of that medium. Students will understand the compositional terminology of focal point, proportion, balance, depth, and eye movement in art and be able to produce three dimensional works that apply these concepts. Students will demonstrate the appropriate use of media, art room facilities and time management; the ability to analyze and give constructive criticism of art work; make connections between different cultures, and produce quality work which displays an understanding of learned skills.
Grade levels: 7 and 8


#100004 
 One Semester 0.5 Fine Arts Credit

Advanced 2D Art

- *Extend learning from 2D Art and develop more advanced techniques in drawing and painting using more diverse media*
- ***This course is a high school credited course***

Students in this course will extend their learning with greater depth in 2D art by meeting high school art standards. Students participating in Advanced 2D Art will be responsible for a researched-based studio project, and creating a teacher-guided studio project connected to the research.

Grade levels: 7 and 8
Suggested Criteria: Completion of 2D Art.

#100009 
 One Semester 0.5 Fine Arts Credit

Advanced 3D Art

- *Extend learning from 3D Art and develop more advanced techniques in associated with clay, sculptural elements, paper mâché, glass and paper building*
- ***This course is a high school credited course***

Students in this course will extend their learning with greater depth in 3D art by meeting high school art standards. Students participating in Advanced 3D Art will be responsible for a researched-based studio project, and creating a teacher-guided studio project connected to the research.

Grade levels: 7 and 8
Suggested Criteria: Completion of 3D Art.

Art courses held only at the Innovation Campus:
[Project Art and Ecology](#)
[Advanced Project Art and Ecology](#)

#651000
 Two Semesters 1 Elective Unit


Cadet Band

Cadet Band is open to students who are just beginning or have already started playing wind or percussion instruments. This band performs three to four times throughout the year. This group will focus on developing proper musicianship skills through daily rehearsals and participation. Though helpful, students do not need instrumental experience to participate in Cadet Band. Contact the instructor for additional information.
Grade levels: 7 and 8
Placement based on audition.

#651500
 Two Semesters 1 Elective Unit

Concert Band

Membership in Concert Band is elective and selective. The ensemble will develop musicianship and skills through daily rehearsals and participation. Music will be selected from many different styles and music periods. Students in this group are expected to participate in all performances associated with the group.
Grade levels: 7 and 8
Placement based on audition

#652000 
 Two Semesters 1 Elective Unit

Symphonic Band

Membership in Symphonic Band is elective and selective. The ensemble will develop advanced musicianship and skills through daily rehearsals and participation. Music will be selected from many different styles and music periods. Students in this group are expected to participate in all performances associated with the group.
Grade levels: 7 and 8
Placement based on audition

Electives

Successfully completing 2 semesters of fine arts coursework will fulfill the Hilliard City School District Graduation Requirement in Fine Arts. Only Advanced middle school fine arts coursework can count for the State Graduation option for the Fine and Performing Arts Seal.

#650100
Two Semesters 1 Elective Unit

7th Grade Treble Choir
7th Grade Treble Choir is open to all seventh grade female-identifying students who are interested in singing and performing. This group will focus on developing proper vocal production and technique. This choir involves three to four co-curricular performances throughout the school year. Performances are graded, required part of the curriculum and occur in the evening.
Grade Level: 7

#650500
Two Semesters 1 Elective Unit

8th Grade Treble Choir
8th Grade Treble Choir is open to all eighth grade female-identifying students who are interested in singing and performing. This group will focus on developing proper vocal production and technique. This choir involves three to four co-curricular performances throughout the school year. Performances are graded, required part of the curriculum and occur in the evening.
Grade Level: 8


Music course held only at the Innovation Campus:
[Project VIBE](#)

#650600
Two Semesters 1 Elective Unit

7th and 8th Grade Tenor-Bass Choir
7th and 8th Grade Tenor-Bass Choir is open to all seventh and eighth grade male-identifying students who are interested in singing and performing. This group will focus on developing proper vocal production and technique. This choir involves three to four co-curricular performances throughout the school year. Performances are graded, required part of the curriculum and occur in the evening.
Grade Level: 7 and 8

#652500
Two Semesters 1 Elective Unit

Cadet Orchestra
Cadet Orchestra is open to students who are just beginning or have already started playing stringed instruments. This orchestra performs three to four times throughout the year. This group will focus on developing proper musicianship skills through daily rehearsals and participation. Though helpful, students do not need instrumental experience to participate in Cadet Orchestra.
Grade Levels: 7 and 8

#653000 
Two Semesters 1 Elective Unit

Concert Orchestra
The Concert Orchestra is comprised of string players who can demonstrate a moderate level of proficiency on violin, viola, cello, bass, piano or harp. The members of the Concert Orchestra should be prepared for a performance schedule that includes three to four performances per year and may also include adjudication. Students in this group are expected to participate in all performances associated with the group.
Grade Levels: 7 and 8

Placement based on audition

#654000
One Semester 0.5 Elective Unit


Music Alive

- Listen and analyze music of different genres
- Play and compose music on drums, guitar, piano
- Develop music literacy and knowledge of music history, theory and composition
- Develop habits which encourage success and professionalism beyond the classroom

Students learn to appreciate the role of music in people's lives, how to communicate through music, respond to music, and the value music. Students will study musical instruments and identify different styles of music in this course.
Grade Level: 7 and 8

#40BL01 
Two Semesters 1 Elective Credit

French 1
French 1 is a high school credited course. This course emphasizes the three modes of communication: interpretive, presentational, and interpersonal, through use of authentic resources from the target culture. This course is virtually aligned with AP World Language Themes and is assessed using ACTFL and ODE World Language proficiency rubrics and standards.
Grade Level: 8

#40BL05 
Two Semesters 1 Elective Credit

Spanish 1
Spanish 1 is a high school credited course. This course emphasizes the three modes of communication: interpretive, presentational, and interpersonal, through use of authentic resources from the target culture. This course is virtually aligned with AP World Language Themes and is assessed using ACTFL and ODE World Language proficiency rubrics and standards.
Grade Level: 8

Electives

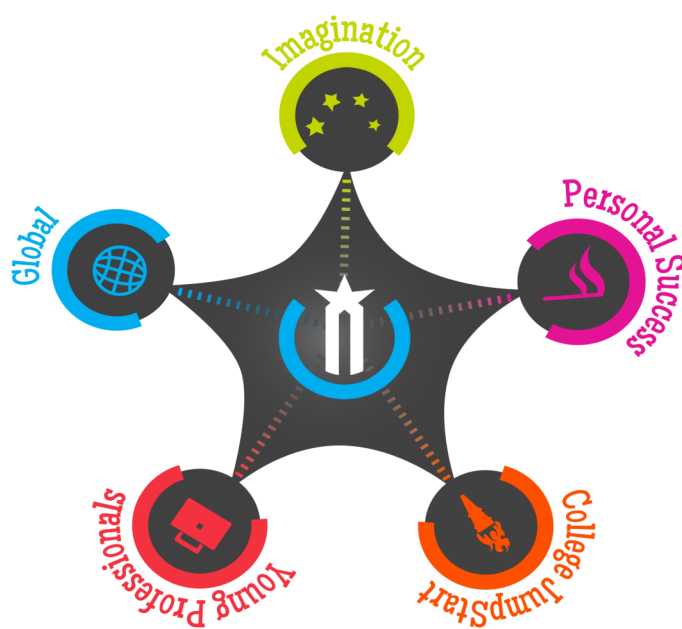
#40BL07	#450500	#450004
Two Semesters 1 Elective Credit	One Semester 0.5 Elective Unit	One Semester 0.25 P.E. Credit*
<p>Chinese 1 <i>Chinese 1 is a high school credited course.</i> This course emphasizes the three modes of communication: interpretive, presentational, and interpersonal, through use of authentic resources from the target culture. This course is virtually aligned with AP World Language Themes and is assessed using ACTFL and ODE World Language proficiency rubrics and standards. Grade Level: 8</p>	<p>Fitness Fitness levels are assessed to measure growth and personal goal accomplishments</p> <ul style="list-style-type: none"> • Weight Training • CrossFit workouts • Fitness band strength training • Team Games <p>Students participate in various individual strength and conditioning techniques. This class provides daily activities that allow improvement in the areas of muscular endurance, muscular strength, flexibility, cardiovascular endurance, agility and balance. During the fitness rotations, individual fitness levels are assessed, and structured workouts are organized giving students the opportunity to set goals and achieve personal success. Grade Levels: 7 and 8</p> <p>Note: Clothing suitable for Physical Education required</p>	<p>Advanced Physical Education</p> <ul style="list-style-type: none"> • Write in a weekly reflection journal • Participate in a school or community team or fitness program <p>Advanced Physical Education is a high school credited course. Students will actively participate and complete the expectations of 8th grade Physical Education. Students are also required to be actively involved in a school or community organized fitness program, write a weekly reflection journal and conduct an oral presentation based on community resources and how these resources are correlated with social, emotional, and physical wellness. Grade Level: 8</p> <p>Suggested Criteria: Must receive a B or higher for a final grade in Physical Education/Health Note: Clothing suitable for Physical Education required <i>*This course is worth 0.5 units when registering, but counts as 0.25 High School credits on the transcript</i></p>
<p>#450100</p> <p>One Semester 0.5 Elective Unit</p> <p>Physical Education/Health This class provides daily activities that allow improvement in the areas of muscular endurance, muscular strength, flexibility, cardiovascular endurance, agility and balance. Participants learn about physical, mental, and emotional wellness, rules, respect, active participation, sportsmanship, responsibility, cooperation and fair play through various individual and team activities. Students will understand and demonstrate behaviors that maintain a health-enhancing level of physical fitness, prevent disease, and speedy recovery from illness. Students will understand that a variety of individual changes occur throughout life and how the human body grows and develops. Grade Level: Required 7th grade</p> <p>Note: Clothing suitable for Physical Education required</p>		

The Innovation Campus



INNOVATION CAMPUS

HILLIARD CITY SCHOOLS



*Revolutionary ideas & experiences
that customize learning to meet
the educational needs of our community.*

Networks Defined



This network is designed for the student who wants to creatively explore learning through the lens of the humanities. Advanced levels of the arts, language, and other forms of expression encompass the framework for this individualized experience. This network is for the student who wants to discover unique ways for imaginative learning.



Global Network -This network prepares learners to thrive in a rapidly changing global society. Learners need a broad range of experiences to build their knowledge of the world and understand their place in it. The Global Network will aim to prepare all learners to think critically, observe skillfully, reflect thoughtfully, and participate meaningfully in authentic experiences both in their local community, as well as their global community.



This network is designed for the student who wants to experience school through authentic learning opportunities inside and outside the classroom. Whether a student is active in a career mentorship role or enrolled in teacher or entrepreneur academies, this network is built for them. The Young Professionals Network is for the student who wants to personalize their learning through authentic real world experiences while becoming a young professional.



This network is designed for the student who wants to experience higher education during their high school career. Through a partnership with local institutes of higher learning students will be able to enroll in college level courses, participate in dual enrollment courses on-site, and/or earn college credits prior to graduation. This network is truly for the student who wants to personalize their learning by getting a jumpstart on their college career.



This network is designed for the student who wants to experience school in a very personalized way. Consider trading the traditional bricks and mortar classroom with an online experience, small group learning, or one to one learning sessions. Together, a personal learning plan will be created for each student no matter the goal. This network is for the student who wants to put themselves on an individual plan for success.

Core Infusion



This network is designed for the student who wants to creatively explore learning. Advanced levels of the arts, language, and forms of expression encompass the framework for this individualized experience. This network is for the student who wants to discover unique ways for imaginative learning.

#987000 7th Grade Core Infusion– ELA/Science/Discover Design Thinking

The focus of the Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Language Arts 7, Science 7, and Discover Design Thinking. Students will engage with grade level curriculum through project-based learning with an emphasis on Design Thinking. Core Infusion uses standards-referenced instruction, assessment, and a mastery-based grading system that encourages a high level of academic competence paired with a growth mindset. This is a year-long, three period block and is located at The Hub on the Innovation Campus. **Enrollment is limited.**

#300100

Two Semesters 1 English Unit

Language Arts 7

Language Arts 7 follows a curriculum based on Ohio's Learning Standards for English Language Arts for grade 7. As students work to achieve mastery of the standards, they will read, write about, and interpret literature. Literature will include texts of varying complexity and interests, including the exploration of high-quality contemporary pieces. Students will practice effective reading strategies and develop close reading skills as they analyze texts. All parts of the writing process will be integral to the course, with students actively involved in the writing process of prewriting, drafting, revising, and editing for various pieces. Time will also be spent studying aspects of grammar and basic writing conventions. **Grade Level: 7**

#550100

Two Semesters 1 Science Unit

Science 7

This general science course is aligned to Ohio's Learning Standards. This science course focuses on helping students use scientific inquiry to discover patterns, trends, structures and relationships in nature. All of the topics within this course incorporate the cycling of matter and the flow of energy within a system. The main topics included in Science 7 are: ecosystems and biomes, ocean and atmospheric currents, cycles and patterns of the earth and the moon, the carbon cycle (photosynthesis and respiration) basic chemistry and the periodic table, and waves and electricity. **Grade Level: 7**

#350105

Two Semesters 1 Elective Unit

Discover Design Thinking

This class will help students develop their own human-centered design process through real world projects and deep collaboration with teammates within the Core Infusion program. The class is project-based and emphasizes adopting new behaviors of work. Students are expected to try new ways of approaching problems and contribute to the learning of others. **Grade Level: 7**

Core Infusion



This network is designed for the student who wants to creatively explore learning. Advanced levels of the arts, language, and forms of expression encompass the framework for this individualized experience. This network is for the student who wants to discover unique ways for imaginative learning.

#988100 Honors 7th Grade Core Infusion – ELA/Science/Discover Design Thinking

The focus of the Honors Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Honors Language Arts 7, Honors Science 7, Discover Design Thinking. Students will extend grade level curriculum through project-based learning with an emphasis on Design Thinking. Core Infusion uses standards-referenced instruction, assessment, and a mastery-based grading system that encourages a high level of academic competence paired with a growth mindset. This is a year-long, three period block and is located on the Innovation Campus.

Enrollment is limited.

#300200



Two Semesters

1 English Unit

Honors Language Arts 7

Honors Language Arts 7 follows the same standards-based curriculum as Language Arts 7, but with greater depth and an accelerated pace.

Grade Level: 7

#550120



Two Semesters

1 Science Unit

Honors Science 7

Students taking Honors Science 7 cover the same standards of Science 7 but in greater depth. There will be an emphasis on application of knowledge, graphical and numerical analysis of data, and problem solving.

Grade level: 7

#350105

Two Semesters

1 Elective Unit

Discover Design Thinking

This class will help students develop their own human-centered design process through real world projects and deep collaboration with teammates within the Core Infusion program. The class is project-based and emphasizes adopting new behaviors of work. Students are expected to try new ways of approaching problems and contribute to the learning of others.

Grade Level: 7

Core Infusion



This network is designed for the student who wants to creatively explore learning. Advanced levels of the arts, language, and forms of expression encompass the framework for this individualized experience. This network is for the student who wants to discover unique ways for imaginative learning.

#988150

Math 7 Core Infusion

The focus of the Math Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Math 7 and the Innovation Studio elective. Curriculum will be built thematically around Math 7 standards and the concepts in the Innovation Studio program and will also include work within the Design Thinking Framework. This is a year-long, two period block and is located on the Innovation Campus. **Enrollment is limited.**

#500100

Two Semesters

1 Mathematics Unit

Math 7

This course is aligned to Ohio Math Learning Standards for 7th grade math. The instructional units for this course include operations with integers and rational numbers; working with multi-step expressions, equations, and inequalities; extending the concepts of ratios, proportional reasoning, and percents; geometric relationships which include properties of triangles, angles, areas of composite figures; area/circumference of circles; surface area & volume; probability and statistics. Students in Math 7 will proceed to Math 8.

Grade Level: 7

#216100

Two Semesters

1 Elective Unit

Innovation Studio

This class packages 7th grade math curriculum and skill-building activities together in a unique learning experience. The program begins with the importance of precision and accuracy, progresses to design and 3D printing, hand and power tools, electricity and fiber optics, programming and coding, industry concepts, marketing, and leadership principles. The interconnecting kits provide students with the knowledge and skills to invent or innovate a product of their own. This classroom is a fun, interactive learning environment with industry grade tools where students embrace the product design process, ultimately becoming inventors and innovators equipped with the skills for success.

#988160

Accelerated Math 7 Core Infusion

The focus of the Accelerated Math Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Honors Math 7 and the Innovation Studio elective. Curriculum will be built thematically around Math 7 standards and the concepts in the Innovation Studio program and will also include work within the Design Thinking Framework. This is a year-long, two period block and is located on the Innovation Campus. **Enrollment is limited.**

#500200



Two Semesters

1 Mathematics Unit

Accelerated Math 7

This course is aligned to Ohio Math Learning Standards for 7th and half of 8th grade. Accelerated Math 7 prepares students for the formalized study of Algebra 1. As this course compacts 1.5 years of content into 1 year, it is a fast-paced and highly rigorous course. Mastery of prerequisite understandings are essential as the focus of this course will only involve Grade 7 and 8. The instructional units for this course include Operations with Integers; Rational and Irrational Numbers; Exponents and Scientific Notation; Expressions, Equations, and Inequalities; Ratios, Percents, and Proportional Reasoning; Transformations and Congruence; Relationships in 2D, including geometric properties of triangles, angles, and lines; Measurement in 2D and 3D; Dilations and Similarity; Linear Relationships; Probability and Statistics. Students who successfully complete Accelerated Math 7 will move on to Algebra 1A/1B.

Grade Level: 7

#216100

Two Semesters

1 Elective Unit

Innovation Studio

This class packages 7th grade math curriculum and skill-building activities together in a unique learning experience. The program begins with the importance of precision and accuracy, progresses to design and 3D printing, hand and power tools, electricity and fiber optics, programming and coding, industry concepts, marketing, and leadership principles. The interconnecting kits provide students with the knowledge and skills to invent or innovate a product of their own. This classroom is a fun, interactive learning environment with industry grade tools where students embrace the product design process, ultimately becoming inventors and innovators equipped with the skills for success.

Core Infusion



This network is designed for the student who wants to creatively explore learning. Advanced levels of the arts, language, and forms of expression encompass the framework for this individualized experience. This network is for the student who wants to discover unique ways for imaginative learning.

#989000

8th Grade Core Infusion - ELA/Science

The focus of the Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Language Arts 8 and Science 8. Students will engage with grade level curriculum through project-based learning with an emphasis on Design Thinking. Core Infusion uses standards-referenced instruction, assessment, and a mastery-based grading system that encourages a high level of academic competence paired with a growth mindset. This is a year-long, two period block and is located on the Innovation Campus. **Enrollment is limited.**

#300500

Two Semesters

1 English Unit

Language Arts 8

Language Arts 8 follows a curriculum based on Ohio's Learning Standards for English Language Arts for grade 8. As students work to achieve mastery of the standards, they will read, write about, and interpret literature. Literature will include texts of varying complexity and interests, with students reading both high-quality contemporary and classic pieces. Students will practice effective reading strategies and develop close reading skills as they engage in critical analysis of texts. All parts of the writing process will be integral to the course, with students actively involved in the writing process of prewriting, drafting, revising, and editing for various pieces. Time will also be spent studying aspects of grammar and basic writing conventions.

Grade Level: 8

#550500

Two Semesters

1 Science Unit

Science 8

This general science course is aligned to Ohio's Learning Standards. This science course includes science concepts, processes and ways of thinking. Earth science is a major part of this course, where students examine the Earth's structure, plate tectonics, land formations, constructive and destructive processes, the geological time scale and dating of rocks and fossils. In life science, students will explore how natural selection affects populations. They will study differences between asexual and sexual reproduction, the relationship between meiosis and mitosis and Mendel's Laws of Heredity. In physical science, students study the effects of balanced and unbalanced forces as well as contact and noncontact forces.

Grade Level: 8

#989050

Honors 8th Grade Core Infusion - ELA/Science

The focus of the Honors Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Honors Language Arts 8 and Honors Science 8. Students will extend grade level curriculum through project-based learning with an emphasis on Design Thinking. Core Infusion uses standards-referenced instruction, assessment, and a mastery-based grading system that encourages a high level of academic competence paired with a growth mindset. This is a year-long, two period block and is located on the Innovation Campus. **Enrollment is limited.**

#300600



Two Semesters

1 English Unit

Honors Language Arts 8

Honors Language Arts 8 follows the same standards-based curriculum as Language Arts 8, but with greater depth and an accelerated pace.

Grade Level: 8

#550600



Two Semesters

1 Science Unit

Honors Science 8

Students taking Honors Science 8 cover the same standards of Science 8 but in greater depth. There will be an emphasis on application of knowledge, graphical and numerical analysis of data, and problem solving.

Grade Level: 8

Innovation Campus Additional Courses



This network is designed for the student who wants to creatively explore learning. Advanced levels of the arts, language, and forms of expression encompass the framework for this individualized experience. This network is for the student who wants to discover unique ways for imaginative learning.

Throughout the semester, middle level electives will regularly combine to participate in theme-based Design Thinking Challenges allowing for exposure to all Campus electives.

#655000

One Semester

1 Elective Unit

Project VIBE

This course is for students who love to be creative! Co-taught by industry professionals, Project Vibe is a chance to learn the foundations of music, TV, and video production. Housed at the Innovation Campus, students will learn the fundamentals of music composition, song creation, digital music technology, as well as the basics of recording and editing their music. In addition, students will also learn the basics of camera operation, shot composition, video editing, and live television production. Since the projects are different every time, a student may repeat the class (if taken in seventh grade). This course acts as an introduction to Academy Vibe, for high school students. This is a double-block, semester course. **Enrollment is limited**
Grade Level: 7 and 8

#150057

One Semester

1 Elective Unit

BE²TA- Business, Entrepreneurship, Engineering, Technology and Art

Business, Engineering, Entrepreneurship, Technology & Art. Students will be active in experiential learning and design challenges within an entrepreneurial ecosystem. Students will navigate with empathy from concept to design to consumer within a hands-on innovative learning laboratory. This course will introduce business foundations, entrepreneurship, engineering, art applications and Design Thinking through the use of modern manufacturing technologies such as a laser engraver, 3D printer, vinyl cutter, and CNC router to produce goods for commerce. This is a semester-long, 2 period block course and is located on the Innovation Campus. **Enrollment is Limited.**
Grade Level: 7 and 8

#110200

One Semester

1 Elective Unit

Project Art and Ecology

This introductory class is based on current environmental issues with a focus on how to create real world solutions through art. Emphasis will be on the theme of reducing, reusing, and recycling material to create art. Students will explore spatial relationships and the intersection of ideas and materials as a foundation to create visually balanced works of arts. The goal of the course is to educate, create advocacy opportunities and empower students to be agents of change in their own communities. This is a semester-long, 2 period block, held at the Hub on the Innovation Campus. **Enrollment is limited.**
Grade level: 7 and 8

#110300

One Semester

1 Fine Art Credit

Advanced Project Art and Ecology



Advanced Art and Ecology is a high school credited course. Students in this course will extend their learning with greater depth in art by meeting high school art standards. Students participating in Advanced Art and Ecology will be responsible for writing a researched-based studio project and creating a teacher-guided studio project connected to the research. This is a semester-long, 2 period block, held at the Hub on the Innovation Campus. **Enrollment is limited.**
Grade level: 7 and 8

Innovation Campus Additional Courses



The Young Professionals Network is designed for the student who wants to experience school through authentic learning opportunities both inside and outside the classroom. Whether a student is active in a career mentorship role or enrolled in teacher or entrepreneur academies, this network is built for them.

Throughout the semester, middle level electives will regularly combine to participate in theme-based Design Thinking Challenges allowing for exposure to all Campus electives.

#997000

One Semester

1 Elective Unit

Health Professionals Academy

The Health Professionals Academy middle school semester course is designed to expose students to the many opportunities available in the healthcare field. Students will gain an awareness of different health pathways, along with the education and personal qualities necessary for success in each area. Throughout the term, there will be hands-on activities to gain real-world experience of basic skills such as first aid, vital signs and CPR, along with a basic explanation of heart and lung anatomy. This course should assist a student that is unsure if the health field is right for them, or help a student to explore possible healthcare pathways they are exploring for the future. **Enrollment is limited.**

Grade Level: 8

#150500

One Semester

1 Elective Unit

Project Business

Designed for students interested in business, this course focuses on market trends and current events that impact business decisions and create opportunities for designing new, innovative products. Students will be challenged to generate product ideas that will positively impact our communities through the design thinking process. Through experiential learning, students will focus on several aspects of business, including entrepreneurship, product development, marketing, advertising, sales, finance, business operations and potential business career opportunities. Students will build a foundational knowledge of business and marketing, which will provide them with career-ready skills that may be applied to any career field they choose to pursue. This is a semester-long, 2-period block, held on the Innovation Campus. **Enrollment is limited.**

Grade Level: 8

#350500

One Semester

1 Elective Unit

Project EDU

This course is designed for students interested in exploring the teaching profession. Designed as an introduction to the teaching profession, students in Project EDU will experience an authentic and realistic view of the career hands-on learning opportunities. Students develop skills in the following areas: career awareness and employability, leadership and communication, day-to-day tasks that support teaching and learning, social/emotional development principles, impact of culture in the classroom, creation of a physically and emotionally safe community partners environment for all learners, classroom management, understand the organization and structure of education systems and the importance of productive relationships with family members, caregivers and community partners. Additionally students will have the opportunity to work collaboratively with Elementary aged students at a neighboring school to gain a minimum of 24 hours of hands-on learning experiences with students. **Enrollment is limited.**

Grade level: 8

#210425

One Semester

1 Elective Unit

Next Gen Changemakers

In Next Gen Changemakers, students will explore the potential risks and rewards presented by emerging technologies like artificial intelligence and machine learning. With an emphasis on digital wellness and ethics, students will learn how to apply data analytics, user experience (UX), and AI to affect positive change in the world. This innovative course will empower students to leverage the design thinking framework and the Minecraft game and its concepts to tackle challenges in areas like climate change and public health, among others. This is a semester-long, double-block that is located on the Innovation Campus. **Enrollment is limited.**

Grade Level: 7 and 8