Hilliard City Schools

2021-2022
Middle School
Program of Studies

ACADEMICS

INTERESTS

MINDSET

Ready For Tomorrow
Hilliard City Schools

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

**Superintendent’s Office 921-7000**

- John Marschhausen, Ph.D., *Superintendent*
- Mike McDonough, *Deputy Superintendent*
- John Bandow, *Director of High School Education/College Partnerships*
- Samantha Althouse, *Director of Middle Level Education*
- Herb Higginbotham, *Director of Elementary Education*
- Mark Tremayne, *Director of Innovation and Extended Learning*

**Board of Education 921-7000**

- Mark Abate
- Paul Lambert
- Nadia Long
- Brian Perry
- Lisa Whiting

**Hilliard Heritage Middle School**

- **Matt Trombitas, Principal**
- 5670 Scioto Darby Road
- Hilliard, OH 43026
- 614-921-7500 Main Office
- 614-921-7510 Guidance Office

**Hilliard Memorial Middle School**

- **Barry Bay, Principal**
- 2900 Walker Road
- Hilliard OH, 43026
- 614-921-7600 Main Office
- 614-921-7620 Guidance Office

**Hilliard Weaver Middle School**

- **Chad Schulte, Principal**
- 4600 Avery Road
- Hilliard OH 43026
- 614-921-7700 Main Office
- 614-921-7710 Guidance Office

**The Innovation Campus/Online Academy**

- **Craig Vroom, Principal**
- 5323 Cemetery Road
- Hilliard, OH 43026
- 3859 Main Street
- 614-921-4800 Main Office
- 3859 Main Street
- 614-921-4850 Main Office
- 614-921-4800 Guidance Office
- 614-921-4850 Guidance Office
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

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 Section C 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 2021-2022 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 Section C in this Program of Studies for the specific criteria for these courses.
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 7 periods. Your schedule is printed by computer and may seem hard to understand at first.

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

### Table of Contents

- **Student Schedule**
- **Your Daily Schedule**
- **Course Codes**
- **Title of Course**
- **Grading Periods**
- **Days Courses Meet**
- **Course Room**
- **Teacher’s Name**
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, Geometry, Digital Connections, All World Languages, Advanced Art, Advanced Physical Education, Advanced Symphonic Band, Advanced Choir 8 or Advanced Concert Orchestra 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 B-2.
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**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Minimum Credit Requirement—21.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
</tr>
<tr>
<td>World Studies</td>
<td>1</td>
</tr>
<tr>
<td>U.S. History</td>
<td>1</td>
</tr>
<tr>
<td>U.S. Government</td>
<td>1</td>
</tr>
<tr>
<td>Science</td>
<td>3</td>
</tr>
<tr>
<td>Math</td>
<td>4</td>
</tr>
<tr>
<td>Health</td>
<td>1/2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
</tr>
<tr>
<td>Digital Connections</td>
<td>1/2</td>
</tr>
<tr>
<td>Financial Literacy Elective</td>
<td>1/2</td>
</tr>
<tr>
<td>Capstone</td>
<td>1/2</td>
</tr>
<tr>
<td>Additional Electives</td>
<td>5</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS**: 21.5**
State Graduation Requirements for the Class of 2023 and Beyond

**First**
- Earn 21.5 Credits
- 4 Credits English
- 4 Credits Math
- 3 Credits Social Studies
- 3 Credits Science
- .5 Credit Digital Connections
- .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 End of Course Test
  - OR
  - Two Career-Focused Activities
  - OR
  - College Credit Plus
  - OR
  - Military Enlistment

**Third**
- Show Readiness
- Earn 2 Diploma Seals
- State Defined
- Locally Defined
- Students must have a minimum of 1 State Seal
Scheduling Courses

Use the template on page B-5 as a tool to build your schedule. Course descriptions are located in Section C.

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
- 7th Grade Treble Choir
- 7th-8th Grade Tenor-Bass Choir
- BE^TA**
- 21st Century Communications
- Coding & Collaboration
- Content Creators
- Creative Writing
- Digital Media
- Discover U**
- Design & Robotics
- Family & Consumer Science
- Fitness
- Hail to the Chief
- The Happiness Equation**
- History of Rock & Roll as a Social Movement
- Magic of Electrons
- Music Alive
- Orchestra/Band
- Personal Decisions
- Project Art & Ecology**
- Project Citizen
- Project Business**
- Project EDU**

*See prerequisites in section C of the Program of Studies.
**See prerequisites in section D of the Program of Studies.

Units
Each course is worth either half (1/2), 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 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

Course Drop Policy for High School Credited Courses (Student Initiated)

A student may withdraw from a high school credited course without grade penalty if he/she withdraws within the following period and if requirements are otherwise met:

- Semester course: No later than the 10th school day of the semester.
- Year course: By the end of the first nine weeks grading period.

A student withdrawing from a high school credited course after the grace period will have the following letter grade penalty applied:

- A withdraw passing (WP) would be noted should the student drop a semester class that they are passing (A through D-) ten days after grades are posted at the end of the quarter.
- A year-long class drop would be noted as (WP) withdraw passing provided the student is passing (A through D-) ten days after grades are posted at semester end.
- Yearlong and semester courses dropped after the above stated deadlines will result in withdraw failing (WF). No student may be enrolled in less than five classes per semester.

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.
Gifted Services

Courses in which students receive college credit 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.

AP Courses

Science
Biology
Chemistry
Computer Science
Physics

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

Reading
English Language
English Literature & Composition

Social Studies
European History
Psychology
U.S. Government & Politics
U.S. History

Superior Cognitive Ability Only
French
German
Spanish
Macroeconomics
Microeconomics

Middle School Courses
Honors Math 6
Accelerated Math 7
Algebra 1
Honors Geometry (gifted service for grade 8 only)
Honors Language Arts 7
Honors Language Arts 8
Honors Science 7
Honors Science 8
Honors Social Studies 7
Honors Social Studies 8

Visual and Performing Arts Courses

Music (High School)
Chamber Orchestra
Honors Chamber Orchestra
Wind Ensemble
Honors Wind Ensemble
Choir 400
Honors Choir 400
Rock Band II

Music (Middle School)
Concert Orchestra (gifted service for grade 7 only)
Advanced Concert Orchestra
Symphonic Band (gifted service for grade 7 only)
Advanced Symphonic Band
Advanced Choir 8

Visual Art (High School)
Art Portfolio
AP 2D Art and Design

Visual Art (Middle School)
Advanced Art 2D
Advanced Art 3D
Advanced Project Art and Ecology

Theatre (High School)
Production and Performance
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.

Activities and Service Groups

Each middle school has a number of activities and service groups open to students. Activities may include Ski Club, Tech Club, SODA, Destination Imagination, Math Counts, Future Problem Solvers, Drama, Power of the Pen, FCA, Leadership opportunities or others organized on a year-to-year basis.

Students should pay careful attention to school announcements, and postings for information about activities and service groups.
Use the following templates to help you schedule your 7th and 8th grade years.

### Grade 07

<table>
<thead>
<tr>
<th>Area</th>
<th>Course</th>
<th>Course Code</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Math</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Science</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Social Studies</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Physical Education/Health</td>
<td>Required</td>
<td>450100</td>
<td>0.5</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
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<td>Elective</td>
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<td>Elective</td>
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<td>Elective</td>
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<tr>
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Total number of units must equal seven (7)

### Grade 08

<table>
<thead>
<tr>
<th>Area</th>
<th>Course</th>
<th>Course Code</th>
<th>Unit</th>
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</thead>
<tbody>
<tr>
<td>Language Arts</td>
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<tr>
<td>Math</td>
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<tr>
<td>Science</td>
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<td></td>
<td>1</td>
</tr>
<tr>
<td>Social Studies</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td></td>
<td>1</td>
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<tr>
<td>Elective</td>
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<tr>
<td>Elective</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

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).
- **Units** - Students must register for 7 units each school year:
  - One semester = 0.5 units
  - Two semesters = 1.0 unit
- **Physical Education/Health** is a required elective course in seventh grade and must be selected
- 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
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!
## Middle School Courses

### Course Code Key

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Length of course</th>
<th>Course Title</th>
<th>Course Description</th>
<th>Grade level eligible for course</th>
<th>Previous course(s)/criteria required for enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>#400021</td>
<td>Two Semesters</td>
<td>1 Science Credit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#550120</td>
<td>Two Semesters</td>
<td>1 Science Unit</td>
<td>Honors Science 7</td>
<td>7</td>
<td>Concurrently enrolled in Accelerated Math 7 OR teacher recommendation</td>
</tr>
</tbody>
</table>

**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**

**Prerequisite:** Concurrently enrolled in Accelerated Math 7 OR teacher recommendation
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

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

Students will be recommended for this course based on STAR scores, writing scores, and grade 6 teacher recommendation.

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

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

#### ELECTIVE COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Grade Level</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>#3010EL</td>
<td>7 and 8</td>
<td>2</td>
</tr>
<tr>
<td>#3020EL</td>
<td>7 and 8</td>
<td>2</td>
</tr>
<tr>
<td>#300750</td>
<td>7 and 8</td>
<td>0.5</td>
</tr>
<tr>
<td>#300760</td>
<td>7 and 8</td>
<td>0.5</td>
</tr>
</tbody>
</table>

#### EL English Language Arts (EL-ELA1)
This course is designed to support the development of beginning English learners' skills in listening, speaking, reading, writing, grammar and vocabulary. Students are placed in this course according to OELPA and STAR Reading data.

**Grade Level:** 7 and 8

**Prerequisite:** None

*This course meets for two periods*

#### EL English Language Arts (EL-ELA2)
This course is designed to support the development of intermediate English learners' skills in listening, speaking, reading, writing, grammar and vocabulary. Students are placed in this course according to OELPA and STAR Reading data.

**Grade Level:** 7 and 8

**Prerequisites:** NONE

*This course meets for two periods*

#### Creative Writing

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

#### 21st Century Communications

Students will learn how to effectively communicate using various 21st century formats, such as Skype, podcasts, video blogs, YouTube, and TED Talks. Communication in this course will serve many purposes, including entertaining, informing, and persuading. 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 their 21st century lives.

**Grade Level:** 7 and 8
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.

~ These courses are considered Gifted Services.
#500200

Two Semesters 1 Mathematics Unit

**Accelerated Math 7**

This course is aligned to Ohio’s 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

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#500100

Two Semesters 1 Mathematics Unit

**Math 7**

This course is aligned to Ohio’s 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

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#50BL01

Two Semesters 1 Mathematics Credit

**Algebra 1A / 1B**

_A student who enrolls in this course must enroll in Algebra 1A and 1B._ This high school accredited course is aligned to Ohio’s 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 Algebra 1

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

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#50BL13

Two Semesters 1 Mathematics Credit

**Honors Geometry A / B**

_A student who enrolls in this course must enroll in Honors Geometry A and Honors Geometry B._ This course is aligned to Ohio’s 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.

**Suggested Criteria:** Teacher Recommendation

Note: Students enrolled in this course will take the Geometry State End of Course Test.
Hilliard City School District
Mathematics Course Sequence Grade 6-12

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.

*This is a high school credited class. Your child’s final grade will be posted on his/her high school transcript.

** These courses may be taken concurrently with AP Statistics.

~These courses are considered Gifted Services.
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

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

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

Suggested Criteria: Concurrently enrolled in Accelerated Math 7 OR teacher recommendation

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

Suggested Criteria: Concurrently enrolled in Algebra 1 OR teacher recommendation
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.

<table>
<thead>
<tr>
<th>Course Sequence Flow Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>6th Grade</td>
</tr>
<tr>
<td>7th Grade</td>
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<tr>
<td>8th Grade</td>
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<tr>
<td>9th Grade</td>
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<tr>
<td>10th Grade</td>
</tr>
<tr>
<td>11th Grade</td>
</tr>
<tr>
<td>12th Grade</td>
</tr>
</tbody>
</table>

- Science 6
- Science 7
- Science 8
- Honors Science 7~
- Honors Science 8~
- Honors Physical Science
- Physical Science
- Biology
- Honors Biology
- Honors Chemistry
- Science Electives
- Chemistry
- Honors Chemistry
- AP Biology~; AP Chemistry~; or AP Physics~
- AP Biology~; AP Chemistry~; or AP Physics~

This double arrow indicates that students may choose to take 2 sciences in the same academic year.

*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.
### Social Studies

#### 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 world, even to the way we currently live, like geographic influence and change, social interactions and behaviors, cultural values, and economic influences and impact. The study of the Roman Empire will impact student learning regarding all early technology, government, and entertainment. Students will see how religion and the arts evolve as the Renaissance and Reformation movements shape the next hundred years. The Colosseum, Greek Gods, revolutions, and wars are just a few of the stops on this journey through world history.

**Grade Level: 7**

#### 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**

#### Honors Social Studies 7
Students taking Honors Social Studies 7 cover the same standards of Social Studies 7 but with greater depth at an accelerated pace.

**Grade Level: 7**

Students will be recommended for this course based on Grade 6 teacher recommendation and STAR scores

#### 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**

Students will be recommended for this course based on Grade 7 teacher recommendation and STAR scores

### Social Studies Elective Courses

#### Hail to the Chief
This course will survey the history of the presidency and Washington D.C. It will include past and current presidential administrations and those individuals that have held the highest office in the land.

**Grade Level: 7 and 8**

#### History of Rock & Roll as a Social Movement
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**
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.

*This is a high school credited class. Your child’s final grade will be posted on his/her high school transcript.
**One of these course sequences/courses must be taken during the Senior year.
~ These courses are considered Gifted Services.
### Business Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Grade Level</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>#150L01</td>
<td>Digital Connections (Online)</td>
<td>8</td>
<td>None</td>
</tr>
<tr>
<td>#350100</td>
<td>Family Consumer Science</td>
<td>7 and 8</td>
<td>None</td>
</tr>
<tr>
<td>#350005</td>
<td>Personal Decisions</td>
<td>7 and 8</td>
<td>None</td>
</tr>
</tbody>
</table>

**Digital Connections**
*This is a high school credited course.* To live, learn, and work successfully in an increasing complex and information rich society, students must be able to use technology effectively and efficiently. Digital Connections will challenge students with finding solutions to real-world problems while being encouraged to consider multiple perspectives on a local and global scale. Students will work to incorporate college and career readiness skills in their practices to become more efficient, organized and agents of their own learning.

**Grade Level:** 8  
**Prerequisites:** None

**Family Consumer Science**
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  
**Prerequisites:** None

**Personal Decisions**
This course will help students develop a personalized approach to healthy living. An emphasis will be placed on developing personal health for an adolescent that can be used as they transition through life. Additional topics will focus on problem-solving, work ethics, nutritional and food selections, family dynamics and personal health.

**Grade Level:** 7 and 8  
**Prerequisites:** None

### Media Courses

<table>
<thead>
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<th>Title</th>
<th>Grade Level</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>#300375</td>
<td>Digital Media</td>
<td>7 and 8</td>
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</tr>
<tr>
<td>#300360</td>
<td>Content Creators</td>
<td>7 and 8</td>
<td>None</td>
</tr>
</tbody>
</table>

**Digital Media**
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, news production, storytelling, and graphic design.

**Grade Level:** 7 and 8  
**Prerequisites:** None

**Content Creators**
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 daily 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  
**Prerequisites:** None
### Design & Robotics
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*

### Magic of Electrons
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*

### Coding & Collaboration
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*
2D 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 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
Prerequisite: None

3D 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/time periods, and produce quality work which displays an understanding of learned skills.
Grade levels: 7 and 8
Prerequisite: None

Advanced 2D Art
Advanced 2D Art 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 level: 8
Prerequisite: Must complete 2D & 3D Art courses with an A or B as the final grade.

Advanced 3D Art
Advanced 3D Art 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 level: 8
Prerequisite: Must complete 2D & 3D Art courses with an A or B as the final grade.

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
Prerequisite: Placement based on audition

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
Prerequisite: Placement based on audition

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
Prerequisite: Placement based on audition
Advanced Choir 8
Advanced Choir 8 is a high school credited course. Students in this course will demonstrate an advanced level of proficiency in a choral setting. Students should be prepared to complete a rigorous set of criteria that includes the regular middle school performance/activity schedule, plus a music portfolio that may include but not be limited to performance and written assignments.

Grade Level: 8
Prerequisites: Audition and teacher recommendation

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
Prerequisite: None - no previous singing experience is required

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 Level: 7 and 8
Prerequisite: Placement based on audition
### Advanced Concert Orchestra

*Advanced Concert Orchestra is a high school credited course.* Students in this course will demonstrate an advanced level of proficiency on violin, viola, cello, bass, piano, or harp. Students accepted into this course must have earned an A or better in Concert Orchestra during their 7th grade year. Students should be prepared to complete a rigorous number of assignments that include the regular middle school performance/activity schedule, plus a music portfolio that may include but not be limited to performance and written assignments. Students should be prepared to complete the requirements of their Concert Orchestra class, as well as building a portfolio that will include performance and written components.

**Grade Level: 8**

**Prerequisites:**
- Must have earned A or better in a 7th grade orchestra course
- Audition requirement assessed by committee of middle school and high school directors
- Permission of instructor

### 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**

**Prerequisites:** Recommended students have a B+ average in the first semester of seventh grade Language Arts class to be eligible for French 1.

### 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**

**Suggested Criteria:** Recommended students have a B+ average in the first semester of seventh grade Language Arts class to be eligible for Spanish 1.

### Chinese 1

*Chinese 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**

**Suggested Criteria:** Recommended students have a B+ average in the first semester of seventh grade Language Arts class to be eligible for Chinese 1.
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 speed 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
Prerequisite: None
Note: Clothing suitable for Physical Education required

Fitness
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

Prerequisite: None
Note: Clothing suitable for Physical Education required

Advanced Physical Education
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

Suggested Criteria: Must receive a B or higher for a final grade in Physical Education/Health
Note: Clothing suitable for Physical Education required
*This course is worth 0.5 units when registering, but counts as 0.25 High School credits on the transcript
Revolutionary ideas & experiences that customize learning to meet the educational needs of our community.
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 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.
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 with an Emphasis on Design Thinking

Grade 7
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 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  Language Arts 7
Two Semesters 1 English Unit

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
Prerequisite: None

#550100  Science 7
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
Prerequisite: None

#350105  Discover Design Thinking
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.

Enrollment is limited.
Grade Level: 7
Prerequisite: None
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.

**Honors Grade 7 Core Infusion with an Emphasis on Design Thinking**

**Honors Grade 7**
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 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.**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>#300200</td>
<td>Honors Language Arts 7</td>
</tr>
<tr>
<td></td>
<td>Students will be recommended for this course based on STAR scores, writing scores, and grade 6 teacher recommendation.</td>
</tr>
<tr>
<td>#550120</td>
<td>Honors Science 7</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>Grade level: 7</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: Concurrently enrolled in Accelerated Math 7 OR teacher recommendation</td>
</tr>
<tr>
<td>#350105</td>
<td>Discover Design Thinking</td>
</tr>
<tr>
<td></td>
<td>Grade Level: 7</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: None</td>
</tr>
</tbody>
</table>
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 with an Emphasis on Design Thinking

Grade 8
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 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

Prerequisite: Successful completion of Language Arts 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

Prerequisite: Successful completion of Science 7
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.

#989050 8th Grade Honors Core Infusion with an Emphasis on Design Thinking

Honors Grade 8
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 extend grade level curriculum through project-based learning with an emphasis on Design Thinking. Core Infusion uses standards-referenced instruction, assessment, and a 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 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**

*Prerequisite:* It is recommended for enrollment in this course that students complete Language Arts 7 with a grade of "A" or Honors Language Arts 7 with a grade of "B" or higher. STAR scores will also be considered for a student's recommendation for this honors course.

#550600 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**

*Prerequisite:* Concurrently enrolled in Algebra 1 OR teacher recommendation
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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Duration</th>
<th>Credit Unit</th>
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<td>#150057</td>
<td>One Semester</td>
<td>1 Elective Unit</td>
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<tr>
<td>BE²TA- Business, Entrepreneurship, Engineering, Technology and Art</td>
<td>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, 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 and is located on the Innovation Campus.</td>
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<tr>
<td>Grade Level: 7 and 8</td>
<td></td>
<td></td>
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<tr>
<td>Prerequisite: None</td>
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<tr>
<td>#110200</td>
<td>One Semester</td>
<td>1 Fine Art Unit</td>
</tr>
<tr>
<td>Project Art and Ecology</td>
<td>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.</td>
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<tr>
<td>Grade Level: 7 and 8</td>
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<tr>
<td>Prerequisites: None</td>
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<tr>
<td>#110300</td>
<td>One Semester</td>
<td>1 Fine Art Credit</td>
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<tr>
<td>Advanced Project Art and Ecology</td>
<td>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. Students will keep a sketchbook, visit and observe high school art programs outside the classroom art experiences, and have an exit review where all completed artwork from the course will be evaluated by middle school and high school.</td>
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<tr>
<td>Grade level: 8</td>
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<tr>
<td>Prerequisites: Must complete Project Art and Ecology with an A or B as final grade</td>
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<tr>
<td>#350600</td>
<td>One Semester</td>
<td>1 Elective Unit</td>
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<tr>
<td>Discover U</td>
<td>“Create with the heart; build with the mind” - Criss Jami.</td>
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<tr>
<td>What are the things that you love? How do you show what you know? How do you tie what you love into your learning? How do you solve problems to better your life and the lives of those you love and care about? How do you learn more about yourself through collaboration and working with others? Ultimately, how do you become the best version of you? During Discover U, we will tackle these questions by helping students discover more about who they are and why they do the things they do. Students will explore their interests and passions, while embracing a new level of freedom to learn about the areas that interest them most. Students will have the opportunity to learn through collaborative experiences and purposeful play to push their thinking to new levels in a low stress environment. Our focus will be on creativity and growth mindset and utilizing the design thinking framework to solve real-world problems. Students will work on their time management, effective communication skills, and grit by creating and implementing their own passion project to improve and make a difference in their world and local community.</td>
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<tr>
<td>Enrollment is limited.</td>
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<tr>
<td>Grade Level: 7 and 8</td>
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<tr>
<td>Prerequisite: None</td>
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</tr>
<tr>
<td>#450008</td>
<td>One Semester</td>
<td>1 Elective Unit</td>
</tr>
<tr>
<td>The Happiness Equation</td>
<td>“Success in anything begins with happiness.” We each have a unique formula or equation that makes us happy. This class will help you develop or unlock your equation for daily joy and lasting fulfillment and then make it contagious by broadcasting it out to the world around you. You will discover the power of happiness through hands-on experiences based on your personal interests. By pursuing happiness, hope and resilience, we will learn that small shifts in our everyday lives can make a big impact. Topics include happiness, self-esteem, empathy, friendship, love, achievement, creativity, music, spirituality, and humor - This course is inspired by one of Harvard’s most popular electives. This semester long class is a double period held on the Innovation Campus.</td>
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<tr>
<td>Enrollment is limited.</td>
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<tr>
<td>Grade Level: 7 and 8</td>
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<td></td>
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<tr>
<td>Prerequisite: None</td>
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</table>
The Young Professionals Network is designed for the student who wants to experience school through authentic learning opportunities 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Duration</th>
<th>Units</th>
<th>Description</th>
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<tbody>
<tr>
<td>#350500</td>
<td>One Semester</td>
<td>1 Elective Unit</td>
<td>Project EDU&lt;br&gt;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.&lt;br&gt;&lt;br&gt;Grade level: 8&lt;br&gt;Prerequisite: None</td>
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<tr>
<td>#150500</td>
<td>One Semester</td>
<td>1 Elective Unit</td>
<td>Project Business&lt;br&gt;Project Business introduces students to business and marketing concepts that are included in more detail in Business Academy, a high school 2 year program at the Innovation Campus. Students in Project Business will learn about business operations, product development, entrepreneurship, advertising, sales, finance and career options in the business and marketing fields. In this project-based course, students are encouraged to creatively generate ideas in both independent and collaborative settings. Project Business provides an authentic, hands-on learning experience where students are challenged to apply their knowledge of business concept.&lt;br&gt;&lt;br&gt;Grade Level: 8&lt;br&gt;Prerequisite: None</td>
</tr>
<tr>
<td>#997000</td>
<td>One Semester</td>
<td>1 Elective Unit</td>
<td>Health Professionals Academy&lt;br&gt;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.&lt;br&gt;&lt;br&gt;Grade Level: 8&lt;br&gt;Prerequisite: None</td>
</tr>
</tbody>
</table>
Global Network - This network prepares learners for lives 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 a global community.

As citizens in the 21st century, we are able to experience major movements (social, political, economic) in real time. While adults have the ability to watch, process, and understand, what do our students see? The goal of this course is to provide an environment where students can thoughtfully unpack the events taking place in front of them through research, critical thinking, discussion, and action. This student led, student engaged experience will pull resources ranging from the Constitution to Twitter in hopes to gain as much perspective as possible and allow students to make decisions based on evidence from the past and present. This is a semester long, two period block and is located on the Innovation Campus. Enrollment is limited.

Grade Level: 7 and 8
Prerequisite: None
Online Academy provides an opportunity for students in the Hilliard City Schools to receive an online education from highly qualified Hilliard teachers. By using our curriculum, developed by our community of teachers, students get a personalized experience in a virtual setting. Ongoing collaboration, interaction and providing consistent feedback to the learning process, our students can be Ready for Tomorrow with the Online Academy.

A Hilliard Education - All online courses were written and are continually updated by Hilliard teachers. The courses align with what is taught in the classrooms and are designed to be engaging for students.

Quality - The middle school online courses offer students high quality and age-appropriate online lessons daily through Canvas.

Staying Connected - Online Academy classes are based on state standards, not seat time. While the best practice for a student is to engage during traditional school hours in order to connect with their teacher and classmates in real time, flexibility will be provided. Students who enroll in the Online Academy will still remain connected with their home schools. Support, such as counselors, and opportunities, such as clubs and extra-curricular activities, will be available to Academy students.

Flexibility - At the middle school level, students have two options:
Option 1: Full time through the Online Academy
Option 2: Full time through the Online Academy and music courses in building.

For more information and/or to register, please visit: www.hilliardschools.org/onlineacademy/

Online Academy Course Codes

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<th>COURSE TITLE</th>
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<th>COURSE TITLE</th>
<th>CODE</th>
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