



# Magnet Innovation Center

## 2021-2022

# Curriculum Guide

133 South Watersound Parkway  
Inlet Beach, FL  
32461

850.622.5020 Ext. 5401

<https://swh.walton.k12.fl.us/magnet-innovation-center-steam-school>





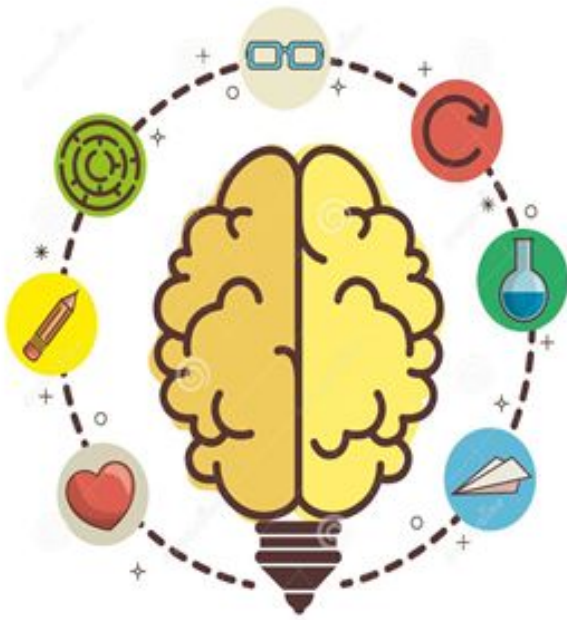


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➤ **Pre-AP English 1 Honors**

**1 Year- Meets English Graduation Requirement; Grade 9; 0.5 Honors Weight**

Pre-AP English 1 Honors is a one-year course designed to meet the English graduation requirement for grade 9. It carries 0.5 honors weight. The course includes the study of literature, writing, and research skills. Students will explore various literary genres and analyze their themes and structures. Writing assignments will focus on developing argumentative and analytical essays. Research skills are emphasized through the use of primary and secondary sources. The course also covers the mechanics of writing, including grammar and punctuation. Students will be expected to demonstrate a strong understanding of the English language and its applications in various contexts.

➤ **Pre-AP English 2 Honors**

**1 Year- Meets English Graduation Requirement; Grade 10; 0.5 Honors Weight**

Pre-AP English 2 Honors is a one-year course designed to meet the English graduation requirement for grade 10. It carries 0.5 honors weight. The course continues to build on the skills and knowledge acquired in Pre-AP English 1 Honors. Students will engage with more complex literary texts and analyze their themes and structures. Writing assignments will focus on developing more sophisticated argumentative and analytical essays. Research skills are further developed through the use of primary and secondary sources. The course also covers the mechanics of writing, including grammar and punctuation. Students will be expected to demonstrate a strong understanding of the English language and its applications in various contexts.

**Pre-AP English Language and Composition**

**1 Year- Meets English Graduation Requirement; Grade 11; 1.0 College Weight**

Pre-AP English Language and Composition is a one-year course designed to meet the English graduation requirement for grade 11. It carries 1.0 college weight. The course focuses on developing advanced writing and research skills. Students will engage with complex literary texts and analyze their themes and structures. Writing assignments will focus on developing sophisticated argumentative and analytical essays. Research skills are further developed through the use of primary and secondary sources. The course also covers the mechanics of writing, including grammar and punctuation. Students will be expected to demonstrate a strong understanding of the English language and its applications in various contexts.

➤ **English Composition 1 (ENC1101) Dual Enrollment**

**1 Year- Meets English Graduation Requirement; Grade 12; 1.0 College Weight**

English Composition 1 (ENC1101) Dual Enrollment is a one-year course designed to meet the English graduation requirement for grade 12. It carries 1.0 college weight. The course focuses on developing advanced writing and research skills. Students will engage with complex literary texts and analyze their themes and structures. Writing assignments will focus on developing sophisticated argumentative and analytical essays. Research skills are further developed through the use of primary and secondary sources. The course also covers the mechanics of writing, including grammar and punctuation. Students will be expected to demonstrate a strong understanding of the English language and its applications in various contexts.

	0.5	Weight	Weight
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> Algebra 1 Honors

1 Year- Meets Algebra 1 Graduation Requirement; Grade 9; 0.5 Honors Weight

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~~BU 2 CB~~ Geometry Honors

1 Year- Meets Geometry Graduation Requirement; Grades 9-11; 0.5 Honors Weight

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> Algebra 2 Honors

1 Year- Meets Mathematics Graduation Requirement; Grades 9-11; 0.5 Honors Weight

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> ~~BU 2 CB~~ Pre-Calculus Honors

1 Year- Meets Mathematics Graduation Requirement; Grades 10-12; 0.5 Honors Weight

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**IB Biology 1 Honors**

1 Year- Meets Biology Graduation Requirement; Grades 9-11; 0.5 Honors Weight

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**IB Chemistry 1 Honors**

1 Year- Meets Equally Rigorous Science Graduation Requirement; Grades 10-12; 0.5 Honors Weight

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**IB Physics 1 Honors**

1 Year- Meets Equally Rigorous Science Graduation Requirement; Grades 10-12; 0.5 Honors Weight

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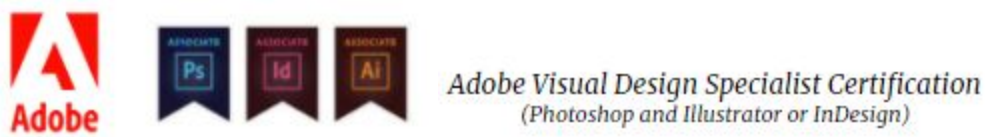




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**Biomedical Science Pathway**

➤ **1BÙ 2 Ç 1B** Principles of Biomedical Science  
 1 Year- Meets Equally Rigorous Science Graduation Requirement;  
 Grades 9-12; 0.5 Honors Weight

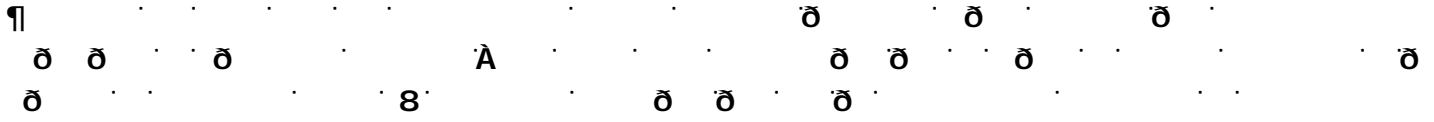


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**Engineering Pathway**

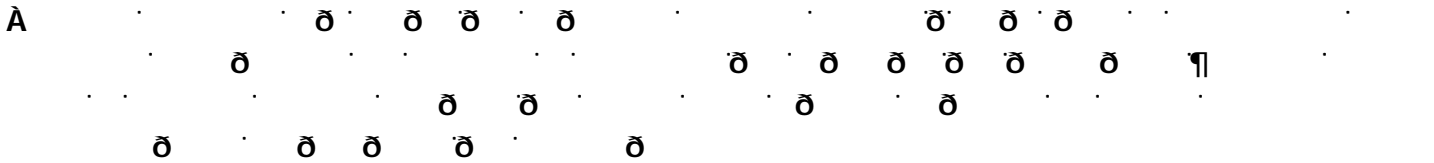
➤ **Introduction to Engineering Design**

1 year- Meets Practical Arts Graduation Requirement; Grades 9-12/1st Year MIC Student; 0.5 Honors Weight



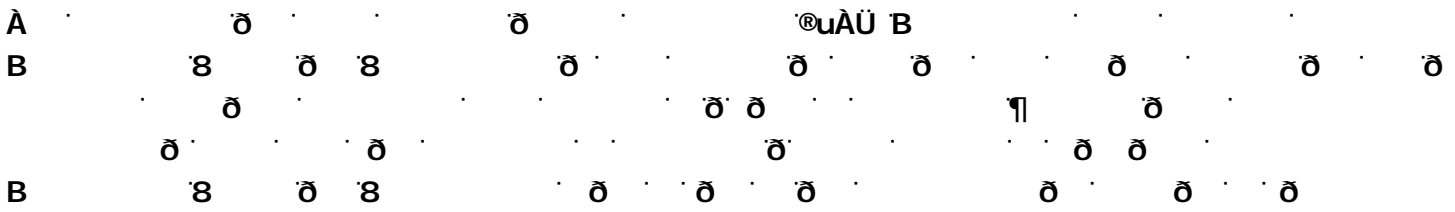
➤ **Principles of Engineering**

1 year- Meets Practical Arts Graduation Requirement; Grades 10-12/2nd Year MIC Student; 0.5 Honors Weight; Prerequisite Introduction to Engineering Design



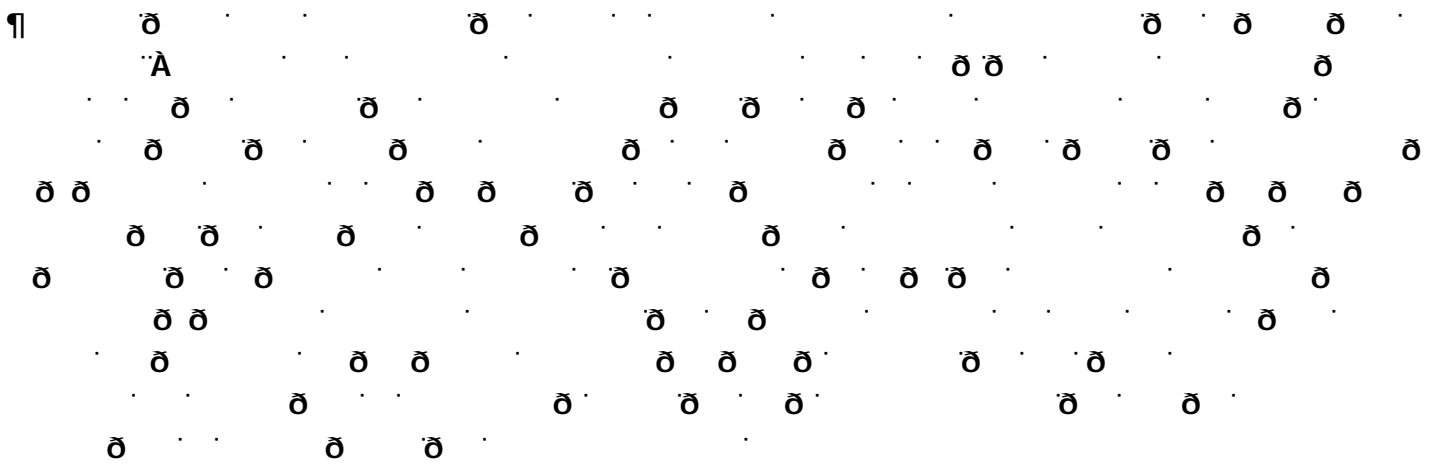
➤ **Engineering Design and Development**

1 year- Meets Practical Arts Graduation Requirement; Grades 11 & 12 /3rd Year MIC Student; 0.5 Honors Credit; Prerequisite Principles of Engineering



➤ **Engineering Internship**

1 year- Meets Elective Graduation Requirement; Grade 12/4th Year MIC Student; 0.5 Honors Weight; Prerequisite Engineering Design and Development







➤ HOPE: Health Opportunities through Physical Education

1 year- Meets Physical Education Graduation Requirement; Grades 9-12

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### Standard Diploma Requirements Checklist

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### Florida Bright Futures Requirements Checklist

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# Standard Diploma Requirements

## Academic Advisement – What Students and Parents Need to Know

### What are the diploma options?

Students must successfully complete one of the following diploma options:

- 24-credit standard diploma
- 18-credit Academically Challenging Curriculum to Enhance Learning (ACCEL)
- Career and Technical Education (CTE) Pathway
- Advanced International Certificate of Education (AICE) curriculum
- International Baccalaureate (IB) Diploma curriculum

### What are the state assessment requirements?

Students must pass the following statewide assessments:

- Grade 10 English Language Arts (ELA) or a concordant score
- Algebra 1 end of course (EOC) or a comparative score

Refer to [Graduation Requirements for Florida's Statewide Assessments](#) for concordant and comparative scores.

Students enrolled in the following courses must participate in the corresponding EOC assessment, which constitutes 30 percent of the final course grade<sup>+</sup>:

- Algebra 1
- Geometry
- Biology 1
- U.S. History

<sup>+</sup>Special note: Thirty percent not applicable if not enrolled in the course but passed the EOC (credit acceleration program [CAP]).

### What is the difference between the 18-credit ACCEL option and the 24-credit option?

- 3 elective credits instead of 8
- Physical Education is not required
- Online course is not required

### What is the difference between the CTE Pathway option and the 24-credit option?

- At least 18 credits are required
- 4 elective credits instead of 8
  - 2 credits in CTE courses, must result in completion and industry certification
  - 2 credits in work-based learning programs or up to 2 elective credits including financial literacy
- Physical Education is not required
- Fine and Performing Arts, Speech and Debate, or Practical Arts is not required
- Online course is not required

### 24 Credit Standard Diploma

#### 4 Credits ELA

- ELA 1, 2, 3, 4
- ELA honors, Advanced Placement (AP), AICE, IB and dual enrollment courses may satisfy this requirement

#### 4 Credits Mathematics\*

- One of which must be Algebra 1 and one of which must be Geometry
- Industry Certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra 1 and Geometry)
- An identified computer science\*\* credit may substitute for up to one mathematics credit (except for Algebra 1 and Geometry)

#### 3 Credits Science

- One of which must be Biology 1, two of which must be equally rigorous science courses
- Two of the three required course credits must have a laboratory component
- Industry Certifications that lead to college credit may substitute for up to one science credit (except for Biology 1)
- An identified computer science\*\* credit may substitute for up to one science credit (except for Biology 1)

#### 3 Credits Social Studies

- 1 credit in World History
- 1 credit in U.S. History
- 0.5 credit in U.S. Government
- 0.5 credit in Economics

#### 1 Credit Fine and Performing Arts, Speech and Debate, or Practical Arts\*

#### 1 Credit Physical Education\*

- To include the integration of health

#### 8 Elective Credits

#### 1 Online Course

Students must earn a 2.0 grade point average (GPA) on a 4.0 scale for all cohort years and pass statewide, standardized assessments unless a waiver of assessment results is granted by the IEP team for students with disabilities.

\* Eligible courses are specified in the [Florida Course Code Directory](#).

\*\*A computer science credit may not be used to substitute for both a mathematics and science credit.

### Scholar Diploma Designation

In addition to meeting the 24-credit standard high school diploma requirements, a student must meet all of the following requirements:

- Earn 1 credit in Algebra 2 or an equally rigorous course
- Pass the Geometry EOC
- Earn 1 credit in Statistics or an equally rigorous mathematics course
- Pass the Biology 1 EOC\*
- Earn 1 credit in Chemistry or Physics
- Earn 1 credit in a course equally rigorous to Chemistry or Physics
- Pass the U.S. History EOC\*
- Earn 2 credits in the same World Language
- Earn at least 1 credit in an AP, IB, AICE or a dual enrollment course

\*A student is exempt from the Biology 1 or U.S. History EOC assessment if the student is enrolled in an AP, IB or AICE Biology 1 or U.S. History course; takes the respective AP, IB or AICE assessment; and earns the minimum score to earn college credit.

### Merit Diploma Designation

- Meet the standard high school diploma requirements
- Attain one or more [industry certifications](#) from the list established (per s. 1003.492, F.S.)

### What are the additional graduation options for students with disabilities ?

Two additional options are available only to students with disabilities. Both allow students to substitute a CTE course with related content for one credit in ELA 4, mathematics, science and social studies (excluding Algebra 1, Geometry, Biology 1 and U.S. History). The two options are as follows:

- Students with significant cognitive disabilities may earn credits via access courses and be assessed via an alternate assessment.
- Students who choose the academic and employment option must earn at least 0.5 credit via paid employment.

### What is the CAP?

The CAP allows a student to earn high school credit if the student passes an AP examination, a College Level Examination Program (CLEP) or a statewide course assessment without enrollment in the course. The courses include:

- Algebra 1
- Geometry
- Biology 1
- U.S. History



### State University System (SUS)

Admission into Florida's public universities is competitive. Prospective students should complete a rigorous course of study in high school and apply to more than one university to increase their chance for acceptance. To qualify to enter one of Florida's public universities, a first-time-in-college student must meet the following minimum requirements (credit earned by industry certification does not count for SUS admission):

- High school graduation with a standard diploma, a minimum of a 2.5 GPA, and admission test scores meeting minimum college-ready test scores per Board of Governors (BOG) Regulation 6.008
- 16 credits of approved college preparatory academic courses per BOG Regulation 6.002
- 4 English (3 with substantial writing)
- 4 Mathematics (Algebra 1 level and above)
- 3 Natural Science (2 with substantial lab)
- 3 Social Science
- 2 World Language (sequential, in the same language or other equivalents)
- 2 approved electives

[State University System of Florida](#)

### The Florida College System

The 28 colleges of the Florida College System serve nearly 800,000 students. Colleges offer affordable and stackable workforce credentials including certificate programs, associate in science degrees and associate in arts degrees, which transfer to a bachelor's degree program. Many colleges also offer workforce bachelor's degree programs in areas of high demand. All Florida College System institutions have open-door admissions for students who earned a standard high school diploma or an equivalent diploma or successfully earned college credit.

[Florida College System](#)

### Career and Technical Colleges and Centers

Florida also offers students 49 accredited career and technical colleges or centers throughout the state, which provide the education and certification necessary to work in a particular career or technical field. Programs are flexible for students and provide industry-specific education and training for a wide variety of occupations.

[Career and Technical Education Directors](#)

### Where is information on financial aid located?

The Florida Department of Education's Office of Student Financial Assistance administers a variety of postsecondary educational state-funded grants and scholarships.

[Office of Student Financial Assistance](#)





Magnet Innovation Center at St. Joe, Watersound



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