ENGINEERING, TECHNOLOGY, AND TRANSPORTATION At Emerald Campus

For students interested in working hands-on and/or critically thinking.

To prepare for a post-high school career, students should choose an interdisciplinary mix of classes with a focus on engineering and technology-related courses.

Emerald Campus Spotlight options:

- **Aviation Academy (1 or 2 years, 2 periods) - Grades 10, 11, or 12**
- **Cyber Academy (1 year, 2 periods) - Grades 10, 11, or 12**
- **Engineering Academy (1 year, 2 periods) - Grades 11 or 12**
- **IB Computer Science SL or HL (1 or 2 years) - Grades 11 and 12**
- **IB Math Analysis and Approaches SL or HL (1 or 2 years) - Grades 11 and 12**
- **IB Math Application and Interpretation SL (1 year) - Grades 11 or 12**
- **IB Physics SL (1 year) - Grades 11 or 12**
- **CCP Algebra, Trig, Calculus I, or Calculus II (1 semester each) - Grades 9, 10, 11, or 12**

The **Aviation Academy** offers hands-on experience in aviation-related fields, developing practical skills relevant to transportation technology. The **Cyber Academy** equips students with crucial knowledge in understanding secure systems in the engineering and technology sectors. The **Engineering Academy** provides a foundational understanding of engineering principles and practices. Concurrently, the **IB Computer Science, IB Math, and IB Physics** courses deepen the theoretical and technical aspects essential in engineering and technology fields. The inclusion of **CCP Math** can further enhance the academic rigor, providing a head start on college-level mathematics.

Sample 4 Year Plan emphasizing Emerald Campus options:

9th	Any English I	Algebra II	Biology	Modern World History	Study Hall	PE (0.25/ PE (0.25)	World Language
10th	Any English II	Precalculus	Chemistry	US History	*Year 1 IT/Cyber*	Health (0.5)/ Arts (0.5)	World Language
11th	Early College Academy Block	Early College Block (Continued)	*IB Math Analysis and App HL Yr 1*	*Cyber or iT Academy Block*	*Cyber or IT Block (Continued)*	US Government/ Financial Lit (0.5)	*IB Computer Science SL*
12th	*Engineering Academy Block*	*Engineering Block (Continued)*	*IB Math Analysis and App HL Yr 2*	*IB Physics SL*	*Aviation Academy Block*	*Aviation Block (Continued)*	Arts (0.5)/ Elective