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## **Innovations' College and Career Awareness Preparatory Academies**

### **Technology**

Innovations is excited to offer a variety of career and college awareness platforms under the Technology Academy. Students will have the opportunity to complete coursework and club work/membership for elective credits in the following fields.

#### **Graphic Design**

- History of Graphic Design
- Elements of Design
- Principles of Design
- Design and Layout
- Concept Creation, Development, and Manipulation
- Media Applications
- Copyright and Intellectual Properties
- Career Exploration

#### **Drones and Unmanned Aerial Systems**

- Evolution of Unmanned Aerial Systems
- Elements of Unmanned Aerial Systems
- Principles of Unmanned Aerial Systems
- Construction and Maintenance of Unmanned Aerial Systems
- Federal Aviation Regulations for Unmanned Aerial Systems
- Different Types and Uses of Unmanned Aerial Systems
- Avionics Associated with Unmanned Aerial Systems
- Safe Operation of Unmanned Aerial Systems
- Ground Operations Associated with Unmanned Aerial Systems
- Career Exploration

## Robotics

- Technical Elements of Robotics
- Technical Drawings Associated with Robotics
- Navigation and Manipulation of Robotics for Problem Solving
- Cleaning, Storage, and Maintenance of Materials/Tools Associated in Robotics
- Creating Robotic Designs
- Maintaining Robotic Designs
- Hardware and Software Associated with Robots and Robotic Tasks
- Investigating the Mathematics Involved in Robotics
- Program Robots to Complete and Job/Solve a Problem
- Career Exploration

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