

Career and Technical Education and STEM



Isle of Wight County Schools
October 19, 2016

DEEPER LEARNING

The 4Cs

Creativity
+
Collaboration
+
Communication
+
Critical Thinking

+

Citizenship



ELEMENTARY CODING

- **IWCS Curriculum**
- **Coding Teachers**
- **Weekly Schedule**
- **Embedded Robotics and PBL**



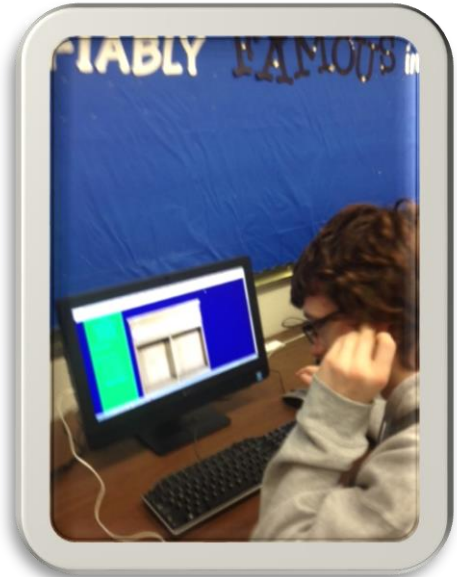
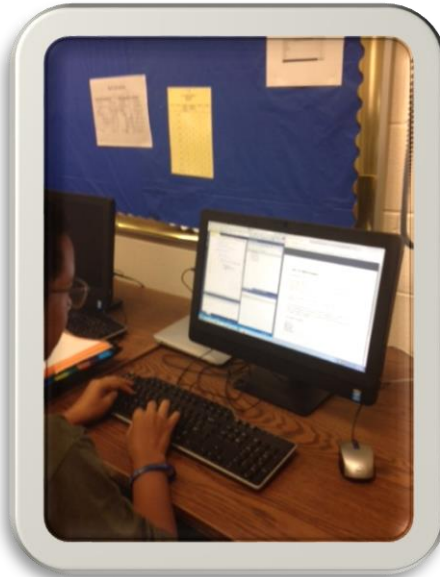
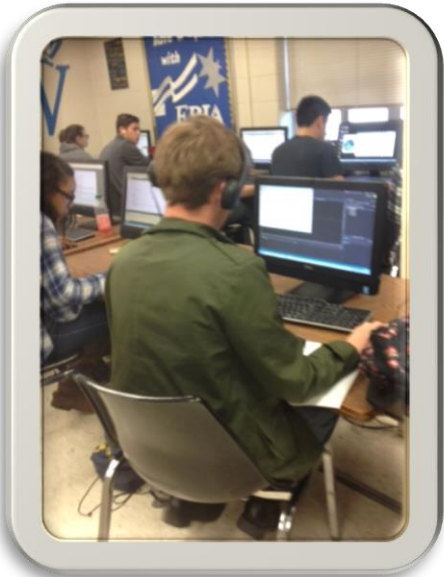
ELEMENTARY CODING

- **Programming**
- **Robotics**



High School Programming

- **Microsoft Visual Studio**
- **Microsoft Certifications**



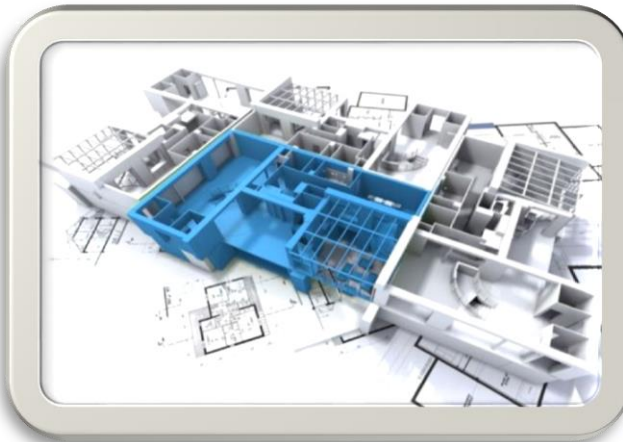
MIDDLE SCHOOL ENGINEERING

- **Modeling and Design**
- **Automation and Robotics**



HIGH SCHOOL ENGINEERING

- **Engineering Explorations I**
- **Engineering Explorations II**
- **Engineering Concepts and Processes III**
- **Engineering Practicum IV**



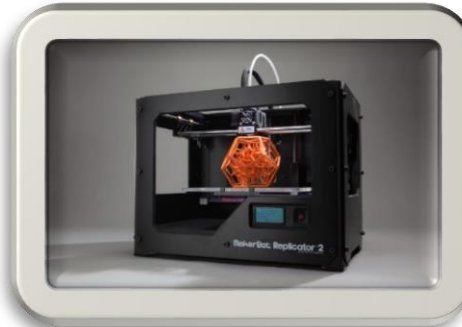
Manufacturing

- **Manufacturing I**
- **Manufacturing II**
- **MT1 Certification**

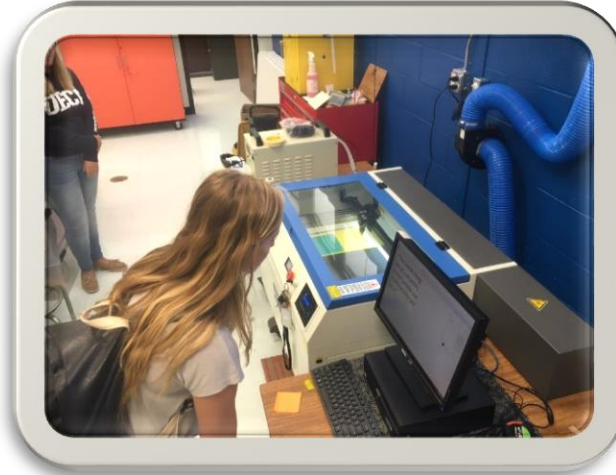


MAKERSPACES

- **3D Printers**
- **Laser Cutters**
- **Vinyl Cutters**
- **CNC Machine**
- **Design Software**

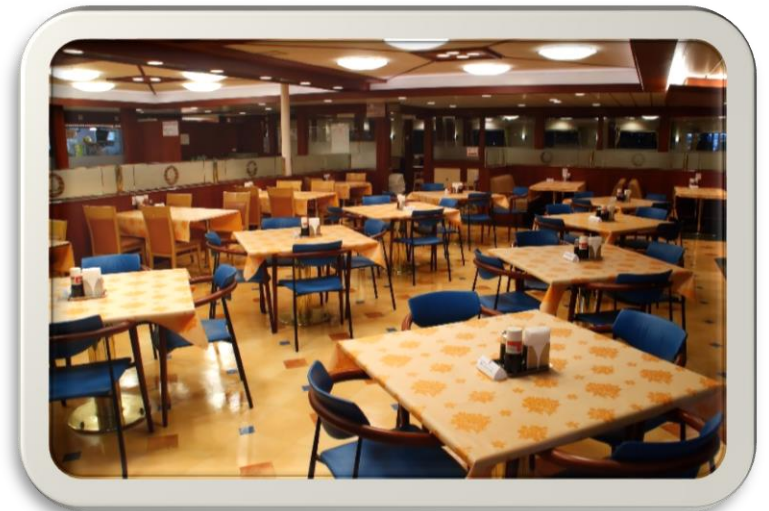


MAKERSPACES



Culinary Arts

- **Deeper Learning Focus**
- **Vision for the Future**



Nurse Aid Program

- **Nurse Aid I**
- **Nurse Aid II (Practicum)**



Small Animal Care

- **Animal Systems**
- **Veterinary Science**
- **Working Farm**

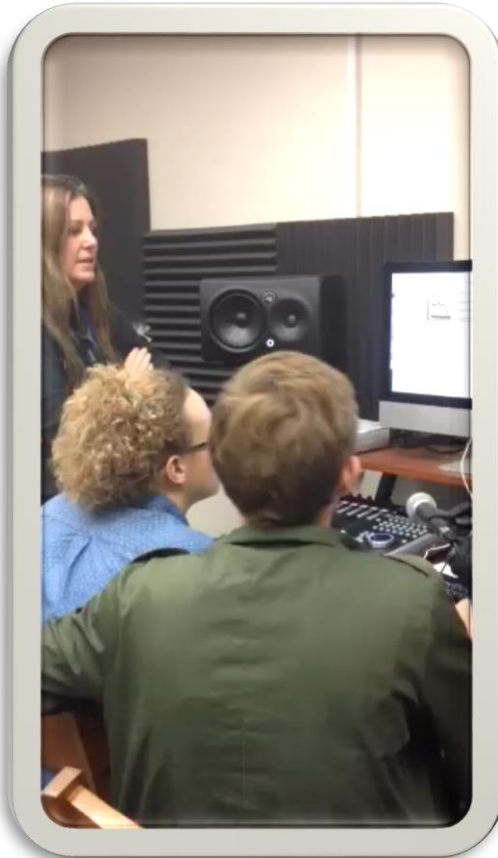


Power, Structural and Technical Systems

- **Building Structures**
- **Metal Fabrication**
- **Precision Agriculture Management**



Sound and Video Studios



Plan for the Future

- **Welding**
- **Mechatronics**
- **HVAC**
- **Warehousing**
- **Landscaping**
- **Building Trades**
- **Renovation of SHS Vocational Building**
- **Development of Working Farm at WHS**

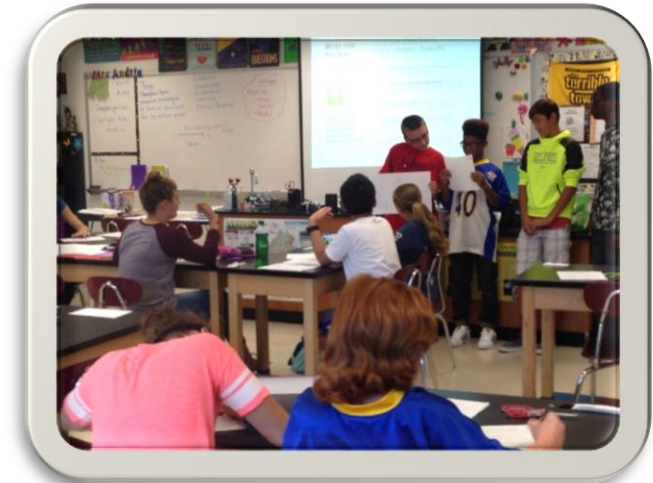


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