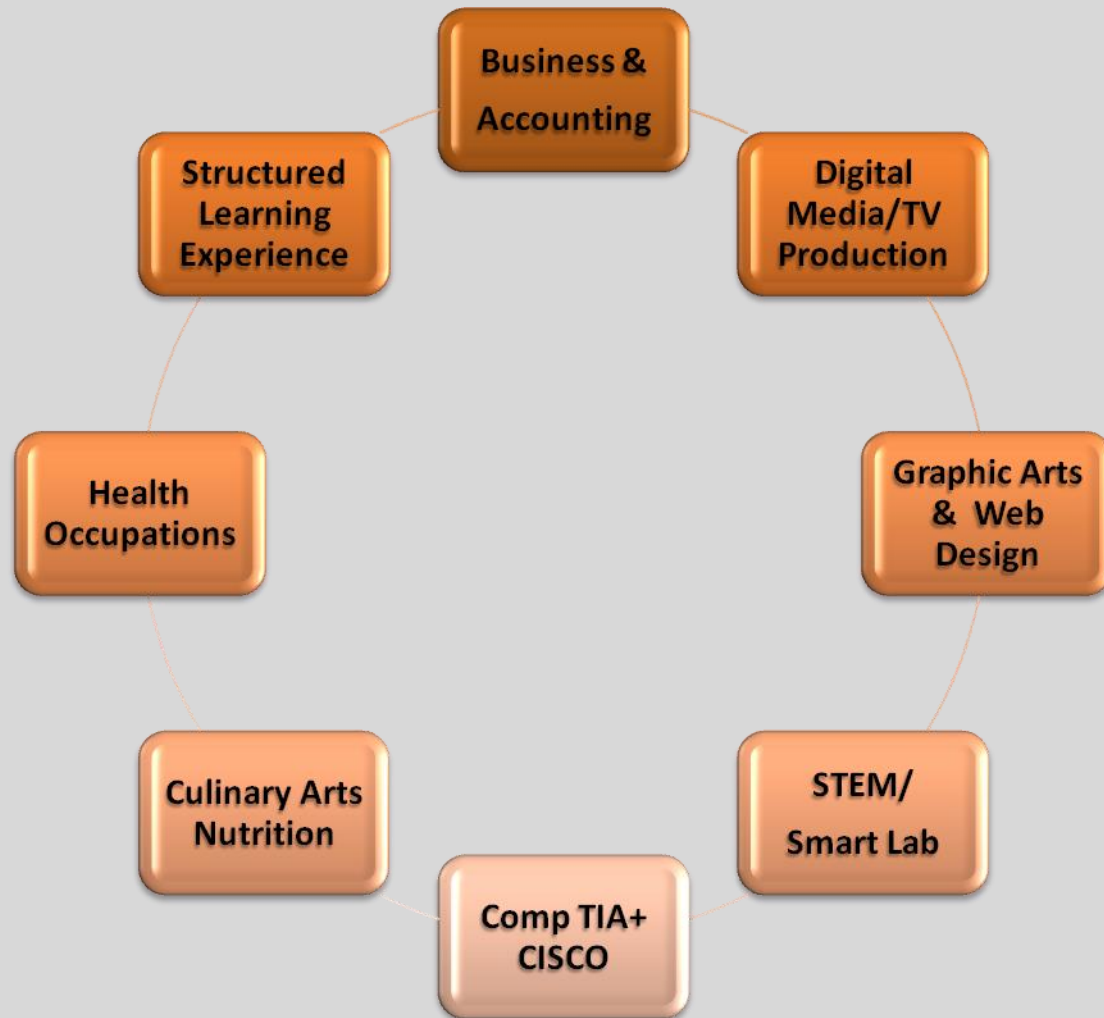


Orange High School CTE

Career and Technical Education

400 Lincoln Avenue, Orange NJ 07050 973-677-4050



Career and Technical Education Department

Courses offered within Career and Technical Education Department are geared to provide students with the skills, knowledge, and work habits necessary to thrive in the worlds of business, health careers, and multimedia ventures. Students will have the opportunity to explore careers associated within the fields of business and health occupations, as well as benefit from practical, real-world preparation designed to enhance students' marketability and career readiness. Although the focus is primarily on preparation for college or a career in related careers and industries; the skills acquired will also help prepare students for any field they may choose to enter.

As a CTE student you have the opportunity to participate in hands-on training in your chosen program and gain real world experience through job shadows and internships.

Mr. Gaines, Principal

Mr. Belton, Principal

STEM / SmartLab

Orange High School CTE

Career and Technical Education

SmartLab Facilitators: Mr. Nixon, Mr. Jean, Mr. Niemczyk (OPA)
400 Lincoln Avenue, Orange NJ 07050 973-677-4050

SmartLab II

SmartLab II includes 21st century learning labs designed for the exploration of STEM, digital media arts and other academic topics through applied technology. Smart Labs are fully-integrated classroom systems that include hardware, software, scientific and media equipment, hands-on construction kits and flexible furniture systems. Student's progress through a series of curriculum-guided and self-directed project engagements. As they tackle these projects, they learn essential technology skills and systems. The support systems provided authentically assess real learning and the development of 21st century skills

Learning Launchers include:

Alternative and Renewable Energy, Circuitry, Computer Graphics, Digital Communications, Mechanics and Structures, Robotics and Control Technology, Scientific Data and Analysis, and Software Engineering.

SmartLab III

Smart Lab III continues the learning launchers from SmartLab II. Learning Launchers guide SmartLab™ learning with a wide selection of hands-on, minds-on projects in STEM and applied technology. Project activities link technology concepts to core academic content in a way that's engaging, relevant and learner-centered. SmartLabs™ meet learners where they are and take them as far as they are able to go. Students have the option of completing level two of the Learning Launchers they worked on in SmartLab II or begin work on additional areas.

Learning Launchers include:

Alternative and Renewable Energy, Circuitry, Computer Graphics, Digital Communications, Mechanics and Structures, Robotics and Control Technology, Scientific Data and Analysis, and Software Engineering.

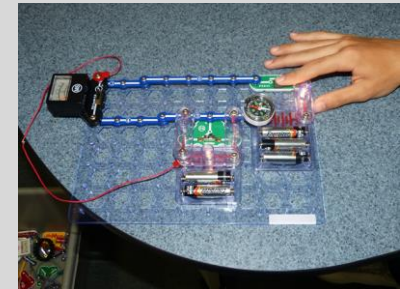


SmartLab Engagements:

Flight Simulator X



Snap Circuits – Electricity and Electronics



SmartLab Motto...



Stop by the SmartLab, Rm. 113B for more info.