

The Emil & Grace Shihadeh Innovation Center

State of the art Career and Technical Education facility expanding education to meet the work force needs of tomorrow
A model for the entire Commonwealth of Virginia



The Challenge:

- ❖ There is a 10 million job shortfall in skilled labor market
- ❖ Average age of skilled workers is 55 years old
- ❖ John Handley High School will reach maximum capacity in the near future
- ❖ Desperately need dedicated Career and Technical Education Space

The Audience:

- ❖ ALL 1,300 students at Handley High School will be required to take a course at the Innovation Center, thus eliminating the 'us vs. them' mentality. We're moving Career & Technical Education classes from the basement to the top of the hill!
- ❖ On average, 61% of our students receive free or reduced lunch – and in some of our elementary schools over 75% of the student population receives free or reduced lunch
- ❖ 80% of high school graduates will live and work within 100 miles of where they graduated
- ❖ Growing English-as-a-second-language population:
 - 18% of students division-wide and
 - 28% of students K-4

The Opportunity & Mission:

- ❖ A joint venture with Lord Fairfax Community College, Valley Health, and local industry partners, the Emil & Grace Shihadeh Innovation Center (536 Jefferson Street, Winchester, VA 22601) located up the hill directly behind Handley High School will train and equip youth and adults to meet the demands of the regional job market.
- ❖ Using hands-on learning strategies, students will develop necessary skills that lead to marketable certifications.
- ❖ Industry partners will play an active role in the development of the program of study, while also committing to work-based learning opportunities for students.
- ❖ Lord Fairfax Community College will provide instructors and equipment for certification and credit bearing courses.
- ❖ The culture will be interdisciplinary. It will be linked-learning. CTE teachers, academic teachers and students will be working together on real world problems.
- ❖ The Innovation Center will be a hub of workforce development for the community serving both high school students and adults.
- ❖ Very open to creating classes and curriculum to match employers' needs

The Three Academies:

- ❖ Information Technology – Computer Systems Tech I & II, Programming and Advanced Programming, Computer Network Software Operations I & II, Technology of Robotic Design, CAD, 3D Printing
- ❖ Professional Skills (Trades) – Electricity, Welding I & II, HVAC I & II, Plumbing I & II, Carpentry I & II, Future Programs: Masonry, Auto Mechanics



❖ Health Sciences – Nursing Aide I & II, Medical Laboratory Technology I & II, Medical Terminology, Medical Systems Administration, Emergency Medical Technician, Physical Therapy, Anatomy & Physiology



**CONSTRUCTION HAS ALREADY BEGUN!
GROUNDBREAKING CEREMONY WAS HELD ON NOVEMBER 25, 2019**