Hampton City Schools
Academies of Hampton – Architecture & Applied Arts Academy

Architecture & Applied Arts Governor’s STEM Academy
Located at Kecoughtan High School, 522 Woodland Road Hampton, VA 23669, Phone 850-5000

Architecture & Applied Arts Governor’s STEM Academy is offered in partnership with Distinctive Magazine, ECPI College of Technology, Hampton University, New Horizons Regional Education Center, Newport News Shipbuilding, Peninsula Council for Workforce Development, Q-Design, Thomas Nelson Community College, and Walsh Electric. Academy programs provide the core high school level academic and technical courses needed for successful transition to postsecondary education and careers in Architecture, Art, Engineering, Engineering Technology, Graphic Arts, and Marketing. Upon high school graduation, students will have STEM-related literacy and other critical knowledge, skills, and credentials that will prepare them for high-demand, high-wage, and high-skills architecture and applied arts careers in Virginia.

Architecture Pathway: Students learn the principles of architectural drafting, design, and creation.

Courses include: Construction Technology, Architectural Drawing, Craft Design, Production System, Geospatial Technologies, Art History, as well as other fine art electives.


Architectural Engineering Pathway: Students learn the concepts and principles of Architectural Engineering through a series of Science, Technology, Engineering, and Mathematics (STEM) based courses.

Courses include: Computer Aided Drafting (CAD), Principles of Engineering, Construction Technology, 3d Modeling, and Material Processes

Examples of Career Pathways: Application Engineer (Architectural, Civil, Construction, or Industrial Engineer), CAD Technician, Drafter, Manufacturing Engineer Technician, Mechanical Engineer/Technician, Survey Technician, Systems Engineer/Technician, and Transportation Engineer/Technician

Applied Arts - Graphic Design Pathway: Students learn how technology and traditional art forms can work together to create visually appealing and commercially effective pieces. They use a variety of graphic techniques and tools to develop promotional, marketing and packaging.

Courses include: Communications Systems, Imaging Technology, Digital Visualization, Modeling and Simulation, Portfolio Prep, Craft Design, Art, Humanities, Finance


Applied Arts - Fashion Design Pathway: Students learn the apparel and accessories industry through designing, constructing, and merchandising their own pieces. Students develop technical proficiencies of pattern-making, tailoring, industrial sewing, marketing, and other related skills.

Courses include: Marketing, Finance, Marketing Management, Computer Graphic Design, Fashion Careers, and Portfolio Prep

Examples of Career Pathways: Administrative Support Representative, Customer Services Representative, Department Manager, Merchandise Buyer/Manager, Operations Manager, Retail Marketing Manager, Sales Associate, Stock Clerk, Store Manager, Visual Merchandise Manager

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