

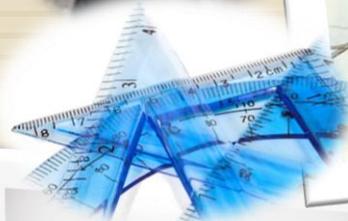
**ARCHITECTURE & APPLIED ARTS  
GOVERNOR'S STEM ACADEMY**



AAA Governor's Science, Technology, Engineering,  
and Mathematics (STEM) Proposal

# Overview

- Vision
- Goals
- Why?
- Where and when?
- How and what?



# Vision



The AAA Governor's STEM Academy will increase rigor in a small learning community of

students, relate academic subjects to a career focus, and work to meet local and regional employer needs while engaging students in STEM coursework.

# Goals: Long-Term



- Students completing the AAA Governor's STEM Academy will enroll in postsecondary programs or obtain employment in Architecture, Art, Engineering, Engineering Technology, Graphic Arts, Marketing, or STEM-related careers.

# Sample Employment Data

Source: Bureau of Labor Source: Bureau of Labor Statistics [www.bls.gov/ooh](http://www.bls.gov/ooh) January 2014

Occupation	2012 (thousands)	2022 (thousands)	Percentage Growth
<b>Advertising, Promotions, and Marketing</b>	637.4	700.5	9.9%
<b>Architects</b>	127.5	149	16.80%
<b>Civil Engineers</b>	272.9	326.6	19.70%
<b>Construction Managers</b>	485.0	563.2	16.10%
<b>Environmental Engineers</b>	53.2	61.4	15.30%
<b>Graphic Designers</b>	259.5	276.9	6.70%
<b>Retail Sales Workers</b>	8,467.3	9,050.6	6.90%
<b>Wholesale and Manufacturing Representatives</b>	1,863.0	2,032.3	9.10%

# Why? Maximize Every Child's Learning!

- Community Needs Driven
- Students apply what they learn in context of locally relevant career opportunities
- Leverage current curriculum while developing the groundwork for future careers



# Why? Graduation Data!

	2012-13	2011-12	2010-11
Hampton City students who completed CTE programs and graduated from secondary education.	99%	99%	99%
Hampton City CTE completers - Advanced Studies Diploma, International Baccalaureate Diploma or Standard Diploma.	96%	94%	94%
Hampton City Schools (all students)	80%	81%	77%
Virginia (all students - Federal)	83%	84%	82%

Hampton City Public Schools Graduation Rate

# Where and When

## ➤ Where?

- Kecoughtan High School

*Where Everyday Greatness is the Expectation*

## ➤ When?

- Start Fall 2014
- Recruit from all 4 high schools and 8 middle schools until March 1 of each year.



# How and What?

Work-based learning experiences include:

- Job Shadowing
- Mentorships
- Internships with business leaders
- Super Saturdays
- Summer Program



# Questions / Discussions

The mission of Hampton City Public Schools is:

*“In collaboration with our community, Hampton City Schools ensures academic excellence for every child, every day, whatever it takes.”*

View a video of the current AAA Academy:

<http://www.youtube.com/watch?v=pwDcxs0XSJI>

Thank you!

