



STRATEGIC ACTION UPDATE: ACADEMIES OF LOUDOUN

SCHOOL BOARD MEETING
November 12, 2019

LCPS Strategic Plan



Goal 1: Develop knowledgeable critical thinkers, communicators, collaborators, creators, and contributors.

Topic: Academies of Loudoun

STRATEGIC ACTION	PERFORMANCE MEASURE	DESIRED OUTCOME
By the Fall of 2018-19 open the Academies of Loudoun to provide an environment for science, technology, engineering and mathematics education that offers opportunities for students, educators, and partners to explore, research, collaborate, and innovate in STEM fields in order to make meaningful contributions to the world.	<ul style="list-style-type: none"> • Completion of tasks necessary to enable the Academy of Engineering and Technology (AET) to open on a high school campus in fall of 2016 • Completion of tasks necessary to continue the expansion of AET and to merge the Academy of Science, Academy of Engineering, and Monroe Advanced Technology Academy into the Academies of Loudoun • Academies of Loudoun seeks external STEM accreditation to engage stakeholders in evaluation of policies, strategies, and learning environment 	FY16 Baseline Academy of Science and Monroe Technology Center operate as separate entities. AET is in planning stage.
		FY17 Up to 150 students enroll in AET in the fall of 2016.
		FY18 AET expanded to serve freshman and sophomore cohorts in the fall of 2017.
		FY19 Academies of Loudoun opens in the fall of 2018 serving students in AET, as well as in an expanded AOS and an expanded MATA. AET expanded to serve freshman, sophomore, and junior cohorts.



ACADEMIES OF LOUDOUN STRATEGIC ACTION

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**FY20
DESIRED
OUTCOMES**

AET expanded to serve freshman, sophomore, junior and senior cohorts.

Academies of Loudoun receives national STEM accreditation.

 FY20 Desired Outcomes Met.

Enrollment in FY20

Academy	School Year 17-18 (FY18)	School Year 18-19 (FY19)	School Year 19-20 (FY20)
Academy of Engineering & Technology	300 (Grades 9-10)	500 (Grades 9 - 11)	700 (Grades 9-12)
Academy of Science	256	315	362
Monroe Advanced Technical Academy	620	765	861
Total	1176	1580	1923

Academies of Loudoun Receives AdvancED STEM Accreditation

AdvancED's STEM Certification provides institutions as well as programs within institutions a research-based framework and criteria for their awareness, continuous improvement and assessment of the quality, rigor and substance of their STEM educational programs. The Standard and Indicators clearly define the qualities and components vital to creating and sustaining superior, student-centered K-12 STEM teaching and learning programs, as well as clear expectations for student outcomes and mastery of 21st century skills.

- The Academies of Loudoun was awarded AdvancED STEM Certification on June 18, 2019, and was the first public high school in Virginia to receive the AdvancED STEM Certification.

Community Connections

Increase experiential learning opportunities:

- Workplace experiences
- Internships
- Mentorships
- Job-shadowing
- Apprenticeships
- Volunteerism

SY18-19 - 125 students were placed

Sample STEM Community Events:

- NOVA STEM days
- Sterling Health and Wellness Expo,
- Project Aviation Expo,
- RUST Library Career and Trade Fair,
- Student Maker Showcase,
- Hack-a-thon

RECRUITING & OUTREACH HIGHLIGHTS

- Admissions information sessions throughout the year all over the county with translation services provided
- Middle School visits to present to all LCPS 7th graders
- Evening HS Cluster presentations - *added additional Saturday presentation*
- Hosted field trips for each high school
- Hosting PROPEL and Level Up field trips
- Hosting 5th grade field trips

RECRUITING & OUTREACH HIGHLIGHTS

- Academies of Loudoun information brochures placed in LCPS Welcome Center, translated into 6 different languages
- Working to translate Academies website, admissions PPTs, and admissions resources into 6 different languages
- Host evening information session for EQOLS (Elevating Quality of Life Skills).
 - This is a collaboration of local groups, including Janelia Research Campus, seeking to elevate the quality of life of our Loudoun community through education, skills, confidence, and greater access to resources.
- Host evening information session for Excellent Options
- Hosting tours and focus groups to gather additional recruitment ideas from diverse organizations
- Send an Admissions Office weekly newsletter to all grade 6-12 counselors
- Summer 2019 - Hosted our 1st Level Up @ the Academies summer STEM camp event



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