## LCPS Strategic Plan

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

### Topic: Academies of Loudoun

<table>
<thead>
<tr>
<th>STRATEGIC ACTION</th>
<th>PERFORMANCE MEASURE</th>
<th>DESIRED OUTCOME</th>
</tr>
</thead>
</table>
| 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. | - 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. |
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.
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.

FY19 Desired Outcome Met.
Dedication Ceremony
## Enrollment Information

<table>
<thead>
<tr>
<th>Academy</th>
<th>School Year 17-18 (FY18)</th>
<th>School Year 18-19 (FY19)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academy of Engineering &amp; Technology</td>
<td>300 (Grades 9-10)</td>
<td>500 (Grades 9 - 11)</td>
</tr>
<tr>
<td>Academy of Science</td>
<td>256</td>
<td>315</td>
</tr>
<tr>
<td>Monroe Advanced Technical Academy</td>
<td>620</td>
<td>765</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1176</strong></td>
<td><strong>1580</strong></td>
</tr>
</tbody>
</table>
AET expanded to serve freshman, sophomore, junior and senior cohorts.

Academies of Loudoun receives national STEM accreditation.
Continued Growth in FY20

<table>
<thead>
<tr>
<th>Academy</th>
<th>School Year 17-18 (FY18)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Academy of Engineering &amp; Technology</td>
<td>300 (Grades 9-10)</td>
<td>500 (Grades 9 - 11)</td>
<td>700 (Grades 9-12)</td>
</tr>
<tr>
<td>Academy of Science</td>
<td>256</td>
<td>315</td>
<td>370</td>
</tr>
<tr>
<td>Monroe Advanced Technical Academy</td>
<td>620</td>
<td>765</td>
<td>1116*</td>
</tr>
<tr>
<td>Total</td>
<td>1176</td>
<td>1580</td>
<td>2186</td>
</tr>
</tbody>
</table>

*New Pathways in Fall 2019: Biomedical Technology and Health Informatics*
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.

- Selected to present at Virginia Summit on College and Career Readiness, sponsored by AdvancED, Virginia Association of Secondary School Principals (VASSP), Virginia Advanced Study Strategies (VASS), and Virginia Foundation for Educational Leadership (VFEL)
- Academies of Loudoun staff is in the process of gathering evidence for accreditation visit
- Accreditation visit will be Spring 2019
- When accreditation process is complete, LCPS Academies of Loudoun will be the first school in Virginia to receive AdvancED STEM Certification.
OPPORTUNITIES

Curriculum
Writing and updating curriculum:
- Biomedical Technology
- Health Informatics
- AET senior-level courses

Community Connections
Experiential learning opportunities:
- Workplace experiences
- Internships
- Mentorships
- Job-shadowing
- Apprenticeships
- Volunteerism
ADMISSIONS & OUTREACH

- Revising admissions process to eliminate bias
- Evening admissions information sessions throughout the year
- Middle School visits
- Weekly newsletter/updates to all middle and high school counselors
- Hosted field trips for each high school
- Hosting EDGE Plus field trips
- Hosting 5th grade field trips
STRATEGIC ACTION UPDATE: ACADEMIES OF LOUDOUN

SCHOOL BOARD MEETING
FEBRUARY 12, 2019