

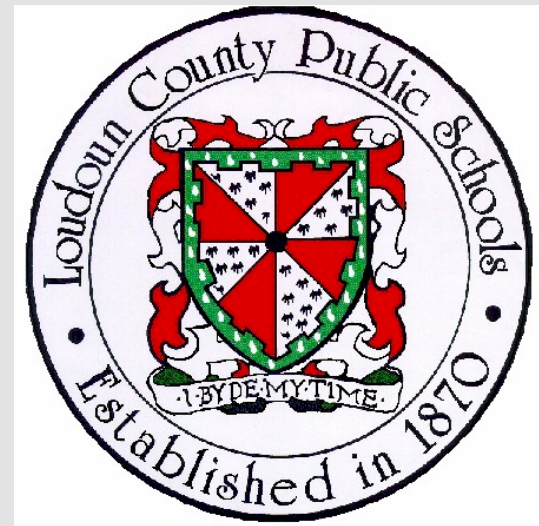
Academies of Loudoun

A STEM center for innovation, exploration, research, and collaboration



Admitted Student Orientation

April 9, 2019



"What you know is far less important than what you can do with what you know", Tony Wagner



Welcome to our school...!

The mission of the Academies of Loudoun is to empower students to **explore, research, collaborate, innovate**, and to make meaningful contributions to the world in the fields of **science, technology, engineering and mathematics**.



Welcome!

Introductions of Administration

- Dr. Tinell Priddy, Principal
- Mr. Strathdee, Assistant Principal
- Ms. Jennifer Chang, Director of AOS
- Mr. Craig Lewis, Director of AET
- Mr. Matt Willburn, Director of MATA
- Mr. Tony Bauer, Director of School Counseling

Introductions

Introductions of Student Services Team

- Ms. Beth Doyle, School Counselor
- Ms. Michell Trudell, School Counselor
- Ms. Michelle Havener, School Counselor
- Ms. Kim Yeager, Placement Coordinator

Transition to High School

The BASICS

- Schedule
- Academics
- Grades
- Advisory
- Lunch
- Extra-curricular activities
- End-of-day

Transition to High School

Personal Development

- Organization
- Time-management
- Study habits
- Hitting-the-wall
- Balance

Transition to High School

Support

- Monitor stress
- Monitor grades
- Ask your teacher
- Advisory
- Peer Connections
- Get to know your counselor

AET Information Technology 4-year program

9 th	10 th	11 th	12 th
AET Integrated Math I	AET Integrated Math II (verified math credit)	AET AP Calculus (AB or BC)	AET AP Statistics (math credit) or AP Calculus BC or Multivariable Calculus
AET Physics	AET Research Chemistry (verified science credit)	AET AP Physics	AET AP Sciences (Biology, Chemistry, Environmental Science)
AET Information Technology and Computer Science (CTE credit)	AET AP Advanced Computer Science (science credit)	AET Junior Research – CS Investigations (science elective credit)	AET ITCS Senior Research* (science elective credit)

*AET IT Senior Research topics may include software, computer systems, internet of things, virtual reality, or mobile/web application development research

**All AET courses are honors level courses and are “weighted” by adding 0.5 to the point value for the grade
AET AP and Dual Enrollment courses are weighted at 1.0

AET Engineering 4-year program

9 th	10 th	11 th	12 th
AET Integrated Math I	AET Integrated Math II (verified math credit)	AET AP Calculus (AB or BC)	AET AP Statistics (math credit) or AP Calculus BC or Multivariable Calculus
AET Integrated Science I	AET Integrated Science II (verified science credit)	AET AP Physics	AET AP Sciences (Biology, Chemistry, Environmental Science)
AET Engineering I (CTE credit)	AET Engineering II (CTE credit)	AET Engineering III - Junior Research (science elective credit)	AET Engineering Senior Research* (science elective credit)

*AET Engineering Senior Research topics may include chemical, civil, electrical, mechanical, robotics, aerospace, or applied engineering research

**All AET courses are honors level courses and are “weighted” by adding 0.5 to the point value for the grade. AET AP and Dual Enrollment courses are weighted at 1.0

AET Entrepreneurship 4-year program

AET Entrepreneurship + Engineering – 4 year

9 th	10 th	11 th	12 th
AET Integrated Math I	AET Integrated Math II (verified math credit)	AET AP Calculus (AB or BC)	AET AP Statistics (math credit) or AP Calculus BC or Multivariable Calculus
AET Integrated Science I	AET Integrated Science II (verified science credit)	AET AP Physics	AET AP Sciences (Biology, Chemistry, Environmental Science)
AET Entrepreneurship I (CTE credit) *dual enrolled	AET Entrepreneurship II (CTE credit) *dual enrolled	AET Engineering I (CTE credit)	AET Engineering II (CTE credit)

AET Entrepreneurship + IT – 4 year

9 th	10 th	11 th	12 th
AET Integrated Math I	AET Integrated Math II (verified math credit)	AET AP Calculus (AB or BC)	AET AP Statistics (math credit) or AP Calculus BC or Multivariable Calculus
AET Integrated Science I	AET Integrated Science II (verified science credit)	AET AP Physics	AET AP Sciences (Biology, Chemistry, Environmental Science)
AET Entrepreneurship I (CTE credit)	AET Entrepreneurship II (CTE credit)	AET Information Technology and Computer Science (CTE credit)	AET AP Advanced Computer Science (science credit)

AOS

4-year program

9th	10th	11th	12th
AOS Integrated Science I & II (Earth Science, Chemistry, Physics) 200 min period	AOS Integrated Science III (2 verified credits - Earth Science & Chemistry) AOS Sophomore Science Research 200 min period	AOS Biology	AP Sciences (Chemistry, Biology, Physics, Environmental)
		AOS Junior Science Research	AOS Senior Science Research
AOS Math Analysis and Computational Modeling I (verified credit - Algebra II)	AOS Math Analysis and Computational Modeling II with Statistics	AOS AB Calculus with Statistics or AOS BC Calculus with Statistics	AOS BC Calculus AP with Statistics or AOS Multivariable Calculus

PTA Executive Board

- Introductions of Board



- PTA membership flyer

Clubs and Activities

- Mr. Curtis Herman, Activities Coordinator
- Available clubs and activities at the Academies of Loudoun

Club Name	Sponsor	Sponsor Email	Day
Academies of Loudoun Academic Competition Team	Kevin Malone	Kevin.Malone@lcps.org	Both
Academies of Loudoun Science Association	Mr. Jacob Voetberg	Jacob.Voetberg@lcps.org	B
ACL Academic Guidance Association	Michael Croly	Michael.Croly@lcps.org	B
ACL Cares (Community, Alliance, Raise, Engage, Serve)	Claire Taylor	Claire.Taylor@lcps.org	A
ACL Computer Science Honors Society	John Chapin	John.Chapin@lcps.org	Both
ACL Debate	Ms. Nora Tran	Nora.Tran@lcps.org	B
ACL Hunger Relief Club	Mrs. Heather Herrmann	Heather.Herrmann@lcps.org	B
ACL Model United Nations (ACL MUN) / UNICEF	John Chapin	John.Chapin@lcps.org	Both
ACL VEX Robotics Club	Sundaram Thirukkurugudi	Sundar.Thirukkurugudi@lcps.org	B

Classroom, lab, and content area visits

6:55pm - 7:30pm

- AET Entrepreneurship – Upper level teal commons
- AET Computer Science – Entry level, rooms
- AET Engineering - Makerspace and 304
- AOS Math – Upper level, rooms
- AOS Science – Upper level, room 2427