Application to the Program
*Application Window - August 15th to October 7th
http://leestownpreengineering.weebly.com/

1) Apply using the online application on the FCPS website: https://dna.fcps.net/SpecProgApp/login
2) Submit two teacher letters of recommendation. Must be submitted using the online form found on our website.
   **Recommendations due by November 1, 2019.**
3) Students must qualify for Advanced Pre-Algebra as an incoming 6th grade student. This decision is based on student test scores received from the district.
4) This is a competitive STEM program and we admit 60 students each year. Any FCPS student is eligible to apply.
5) Please see our website for step-by-step instructions and forms.

Contact Information
Leestown Pre-Engineering Program
Robin Featheringill, Program Coordinator
2010 Leestown Road
Lexington, KY 40511
robin.featheringill@fayette.kyschools.us
http://leestownpreengineering.weebly.com/

Why Engineering in Middle School?
Engineering is a natural program for the integration of science, technology, engineering and mathematics, while sparking creativity amongst middle school students! In an ever growing and extremely competitive economy, the demand for well trained and knowledgeable engineers from many disciplines is at an all time high. To meet these demands, it’s never too early to start thinking about a future in the fields of math and science.

Mission:
Provide students with a challenging instructional program focused on math, science, engineering and technology during the middle school years.

Our Pre-Engineering program will specifically prepare students for advanced high school programs in Fayette County.
Leestown’s Pre-Engineering program selects 60 applicants before the start of their 6th grade year. Once admitted into the program students continue through eighth grade.

Highlights of the Program

- Advanced and rigorous curriculum taught in all core content classes.
- Accelerated math track where students will complete Advanced Geometry in the 8th Grade.
- All students use Chromebooks throughout the day.
- Robotics & Coding and Digital Art & Design classes are included in the curriculum each year.
- Major projects include the Science Fair, National History Day Competition as well as other competitions.
- Required participation in at least one after school club or activity.
- Year-long STEM/STEAM class at all three grade levels, learning to use the engineering design process, mathematical reasoning, in-depth science investigations and build critical thinking skills.
- Leestown Pre-Engineering students receive priority admittance into Lafayette’s High School Pre-Engineering program.

Sample Three Year Course Schedule

6th Grade:
- Advanced Pre-Algebra
- Advanced Language Arts
- Advanced Social Studies
- Advanced Science
- STEM Class (every other day)
- Digital Art (1 Quarter)
- Robotics/Coding (1 Quarter)
- 6 electives (9 week courses)

7th Grade:
- Advanced Algebra I
- Advanced Language Arts
- Advanced Social Studies
- Advanced Science
- STEM Class
- Robotics/Coding II (1 Quarter)
- Digital Art II (1 Quarter)
- 6 electives (9 week courses)

8th Grade:
- Advanced Geometry
- Advanced Language Arts
- Advanced Social Studies
- Advanced Science
- STEM Class
- Digital Art III (1 Quarter)
- Robotics/Coding III (1 Quarter)
- 6 electives (9 week courses)