

Tucker High School 2018-19 School Year STEM Application

PLEASE READ THE FOLLOWING BEFORE COMPLETING THE APPLICATION

Program Overview: Tucker High School's S.T.E.M. (science, technology, engineering and math) program will allow students to experience in-depth exploration and hands-on project based learning. The use of hands-on (kinesthetic) learning helps students to bridge the gap between concrete observable phenomena and the theoretical abstract concepts. In addition, hidden or unknown student talents are able to emerge and be identified.

Please note: All Tucker High School students are welcome to apply. Students are in no way required to have participated in a STEM program to be eligible to apply.

- Students will complete the following application to apply for the program.
- Current and/or previous teachers will complete a recommendation form for each student applying for the program.
- Students will be scored and ranked based on application essay, teacher recommendations and interviews.
- 30 finalists per cohort will be chosen to participate in the program - the remaining students will be ranked as alternates.
- Due to curricular requirements, students participating in the Tucker High School STEM program will not be eligible to participate in the Fernbank STT Program.
- This is a four-year program where students will participate in a suggested curriculum as a cohort class. Students are expected to maintain a minimum 3.0 GPA each semester. Failure to do so will result in probation for one year and dismissal after the probationary year if the student fails to raise their GPA.
- Students will work on a new project based learning module topic each year and smaller modules throughout the year. Many curricular requirements will be taught through these modules.

Suggested courses may include but are not limited to the following:

- Science: Biology, AP Environmental Science, Gifted/Accelerated or AP Chemistry, Gifted/Accelerated Physics, AP Biology
- Math: Accelerated Coordinate Algebra, Accelerated Analytic Geometry, Pre-Calculus, AP Calculus, AP/College Statistics, Dual Enrollment math
- Engineering - Foundations of Engineering & Technology, Engineering Concepts, Engineering Applications, Research & Design
- Social Studies - Civics, World Geography, Gifted Accelerated or AP World History, Gifted/Accelerated or AP U.S. History, Economics
- Language Arts - Literature/Composition, Gifted/Accelerated or AP American Literature, Gifted/Accelerated or AP British Literature or Dual Enrollment

*** Required**

1. *

Please enter the student's full legal name.

2. **Student's Email Address ***

Enter a valid student email address, you may use your DeKalb School Email if you are in the school system.

3. Primary Guardian Name *

Enter primary parent or legal guardian's name

4. Secondary Guardian Name

Enter secondary parent or legal guardian's name

5. Primary Guardian Contact Number *

Enter a valid phone number to reach the guardian

6. Secondary Contact Number *

Enter a backup phone number

7. Guardian Email Address *

Please enter a valid guardian's email address.

8. Current Mailing Address *

Please enter a valid mailing address.

9. Student Essay *

Students should write an essay of no more than 1000 characters in the space provided below describing what you value most, what you consider to be your strengths and weaknesses (not held against you), and the reason for wanting to participate in the Tucker High School STEM program. Please include the names of any math, science and/or technology programs, extracurricular activities, or conferences/camps in which you have participated. Students should write this in their own words.

10. Teacher Recommendation 1 *

Please enter the name of the teacher you would like to have complete a recommendation for you.

11. Teacher Recommendation 1 Contact Information *

Please enter the teacher's email address you would like to complete the recommendation. If they are INSIDE the DeKalb County School System, please enter the school they teach at.

12. Teacher Recommendation 2 *

Please enter the name of the teacher you would like to have complete a recommendation for you.

13. Teacher Recommendation 2 Contact Information *

Please enter the teacher's email address you would like to complete the recommendation. If they are INSIDE the DeKalb County School System, please fill in the school they teach at.

14. Student/Guardian Agreement Contract *

By checking each box, the student and the guardian agree to all of the rules and guidelines set forth by the DeKalb County School System Student Handbook, policies established by Tucker High School, and rules and policies established for the STEM program by the STEM Committee.

Check all that apply.

- I am responsible for ensuring the student has transportation to and from after school activities.
 - I am responsible for the student maintaining regular attendance to school each day.
 - I am responsible for the cost of repairing or replacing any property that my child damages at the site.
 - I (or designee) am responsible for attending the student orientation. (Location and time TBA)
 - I give permission for my student to complete all tests and surveys that Tucker High School deems necessary for evaluating program effectiveness.
 - I give permission for my student to engage in all activities inside and outside of the classroom as part of the STEM program's enriched and problem-based learning environment.
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