



High School STEAM Pathways

West Bloomfield School District is pleased to continue the growth of our STEAM Program at the high school level. This is part of the District's K-12 STEAM instructional initiatives. **STEAM** stands for **Science, Technology, Engineering, Arts, and Mathematics**. STEAM programs employ a Project Based Learning approach, a teaching method in which students gain knowledge and skills by working for an extended period of time to investigate and respond to a complex question, problem or challenge. STEAM uses critical thinking skills and incorporates the arts into this framework by recognizing that in order to be successful in technical fields, students must also be creative.

The High School STEAM Pathways are available in Grades 9-12 with options in the following paths:

- **Science-Project Based Learning (PBL)** – Designed to provide students with a broad range of activities in medical and surgical specialties in an academic medical center or an authentic science experience, such as Medical Mentorship or Capstone Class
- **Engineering Academy** – A four year engineering based program focusing on the influence and integration of mathematics and science with engineering that culminates in an authentic field experience
- **Political Leadership** – A community initiative designed to give students an experiential, authentic learning experience in the field of civic participation in a professional setting
- **Business** – An advanced individualized program of instruction in marketing, merchandising, and management that involves collaboration with a business or organization
- **Fine Arts** – Experiences in digital media arts, visual arts, drama, instrumental and vocal music performance ensembles. Additional opportunities include AP Music Theory, AP Studio Art, and Video/Radio Production

Students can only apply for one pathway. An internship or capstone experience is a key feature of each pathway. After initial admission into a STEAM Pathway, students must *also* meet program prerequisites and requirements to be eligible to apply for an internship or capstone experience during 11th or 12th grade.

Once accepted into a STEAM Pathway, students may change their pathway **once**, with counselor or teacher recommendation.

High School STEAM openings are available for students in grades 9-12 for:

- Students currently enrolled in the West Bloomfield School District
- District Resident Students *not currently attending a West Bloomfield School District School*
- Schools of Choice Students

All applicants must meet program criteria and selections will be made by lottery. A limited number of openings are available.

Applicants will be selected based on a review of the following criteria:

(Applications will be available [here](#), or on the district website beginning February 1, 2017 at 8:00 AM).

Most Recent Transcript

- For students currently enrolled in the West Bloomfield School District, district staff will access student data records
- For students not currently enrolled in the West Bloomfield School District, **parents must bring a copy of their child’s most recent transcript to their scheduled Assessment Session**

Attendance Record

- For students currently enrolled in the West Bloomfield School District, district staff will access student data records
- For students not currently enrolled in the West Bloomfield School District, **parents must bring a copy of their child’s most recent attendance records to their scheduled Assessment Session**

Writing Sample

- Students will complete a writing sample during the Assessment Session

Student Self-Assessment

- Students will complete the student self-assessment during the Assessment Session

Parent Informational Meeting

Date	Time	Location
Tuesday, January 24, 2017	7:00 PM	WBHS Media Center

Timeline

Date	Action
Wednesday, February 1, 2017 through Wednesday, March 1, 2017	Application Period (Application available online beginning February 1, 2017 at 8:00 AM)
Saturday, February 4, 2017	Assessment 9:00-11:00 AM @ West Bloomfield High School*
Tuesday, February 14, and Wednesday, February 15, 2017	Current WBHS Students, who would like to apply for the STEAM Program, will take the Assessment during 5 th Hour
Wednesday, March 8, 2017	Alternate Assessment Date 5:30-7:30 PM @ West Bloomfield High School*
Friday, March 17, 2017	Notice of admission into High School STEAM Pathways Program

Accepted Applicants will be contacted to confirm a registration appointment

***PLEASE ARRIVE 15 MINUTES PRIOR TO THE ASSESSMENT START TIME
TESTING WILL BEGIN PROMPTLY AT THE TIME INDICATED**