



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 Pathway is available in Grades 9-12:

- **Project Lead the Way Engineering** – PLTW Engineering courses engage students in interdisciplinary activities like working with a client to design a home, programming electronic devices or robotic arms, or exploring algae as a biofuel source. These activities not only build knowledge and skills in engineering, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance.
  - A partnership with *Lawrence Technological University* provides students with opportunities to interact with college-level engineering and design practices.

In addition to PLTW Engineering, students are encouraged to explore our other STEAM/Project-Based opportunities available for all students in 11th or 12th grade, including:

- **Medical Mentorship**: Students engage in a shadowing opportunity in various medical settings throughout the metro Detroit area, including some at Henry Ford Hospital in West Bloomfield.
- **Science PBL - Investigation and Design**: Students invest themselves in a project that takes aim at solving a problem or enacting a positive change. They will be expected to investigate, interact with and report findings of their project by the spring of their senior year, culminating in a presentation their project to a public audience.
- **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/Marketing DECA**: 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.

**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

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

(Applications will be available on the [district website](#) from January 14th through February 12th)

**1. Most Recent Report Card**

- a. For students currently enrolled in the West Bloomfield School District, staff will access student data records
- b. For students not currently enrolled in the West Bloomfield School District, **parents must bring a copy of their child's most recent report card to their chosen Assessment Session**

**2. Attendance Record**

- a. For students currently enrolled in the West Bloomfield School District, staff will access student data records
- b. 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 chosen Assessment Session**

**3. NWEA MAP Testing in Reading**

- a. For students currently enrolled in the West Bloomfield School District, staff will test students during school hours
- b. Students not currently enrolled in the West Bloomfield School District will be tested during their chosen assessment session (see dates below)

Timeline			
Date	Action	Location	Assessment note*
Monday, January 14th- Tuesday, February 12th	Application Period		
Wednesday, January 30th 6:30pm-8:00pm	Parent Informational Meeting	West Bloomfield High School	
Friday, February 8th*	Incoming 6th-12th grade assessment (for students not currently enrolled in the West Bloomfield School District)	Orchard Lake Middle School	*You will <b>need to have completed the application</b> in order to be registered for this assessment.
Alternate assessment date: February 22nd*	Incoming 6th-12th grade assessment (for students not currently enrolled in the West Bloomfield School District)	Orchard Lake Middle School	*You will <b>need to have completed the application</b> in order to be registered for this assessment.
February 26th, 2019	Schools of Choice Lottery	ACS	
March 1st, 2019	Notice of Admission to High School STEAM Program		