



# John Marshall School of Engineering

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<http://www.clevelandmetroschools.org/Page/919>

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Dear Parents,

Welcome to the monthly newsletter highlighting events, teachers and students at John Marshall School of Engineering. The vision of John Marshall School of Engineering is to provide a safe, collaborative environment where students are encouraged to be innovative thinkers that contribute to the technological advancement of our community. Our goal is to engineer a brighter future for our students.

Warm Regards,

Mr. Primus, Principal

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## Did you know?

John Marshall School of Engineering offers two different Engineering pathways to graduation starting in your student's junior year.

1. Aerospace Engineering
2. Civil Engineering and Architecture

At John Marshall School of Engineering college credit can be earned through the following programs at Cuyahoga Community College:

- College Credit Plus Program
- High Tech Academy
- Partner Program: Early College Early Career - MAGNET

## Upcoming Dates

1/7 – School Resumes, Quarter 3 Begins  
1/20 – Martin Luther King Jr. Day, No School  
2/5 – FAFSA Parent Night  
2/14 – No School (Professional Dev. Day)  
2/17 – Presidents' Day, No School  
2/17-2/21 – Engineering Week  
3/6 – Quarter 3 Ends

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## Club SPOTLIGHTS:

### Upward Bound

Thursdays 3:00 – 4:00 PM

Room 215, 217, 218

The Upward Bound TRIO Program is a year-round pre-college program for CMUSD high school students. It is designed to assist students in graduating from high school, entering and graduating from college. Upward Bound works in cooperation with the schools, Tri-C, and the community to provide educational opportunities and support to achieve these goals. Upward Bound also assists students with test prep for OSTs and college placement tests.

## ENGINEERING WEEK

**Purpose:** To increase students' understanding of and interest in engineering and technology careers. There will be activities throughout the week to engage students with individuals in engineering focused careers.

**When:** February 17 – 21, 2020

- Monday, 2/17 – No School/Presidents' Day
- Tuesday, 2/18 – Robots Presentation (weather permitting)
- Wednesday, 2/19 – Classroom Speakers
- Thursday, 2/20 – "Introduce a Girl to Engineering Day" female engineers panel
- Friday, 2/21 – Career/Trade Fair at John Marshall

## ACE MENTORING PROGRAM

The ACE Mentoring Program focuses on introducing students to architecture, construction, and engineering careers. The mission is to engage, excite, and enlighten high school students to pursue careers in these fields through mentoring and to support their continued advancement in the industry. Students use project based learning and are supported through scholarships, college mentoring and internships. This is an afterschool program that meets every other Tuesday at 3:05 pm. Please see Mr. Smith in room 157 for more information.

### Partner Programs



The mission of MAGNET, the Manufacturing Advocacy & Growth Network, is to support, educate and champion manufacturing in Ohio with the goal of transforming the region's economy into a powerful, global player.

#### Early College Early Career

Developed by MAGNET in conjunction with other organizations, the Early College Early Career program takes students from high school and guides them through a college degree program and subsequent manufacturing career to meet the needs of manufacturers in Northeast Ohio. This initiative offers students company-based, real-world training as well as certification programs that can result in the skilled workforce needed for the region's manufacturing sector.

Cohort 1 started Fall 2017 with students going into their junior year. We are currently in Cohort 3.

## Graduation Requirements for Class of 2020

Take and earn a state minimum of 20 credits in specific subjects. You also must receive instruction in economics and financial literacy and complete at least two semesters of fine arts.

Choose a Pathway to Show that you are Ready for College or a Job

1. Ohio's State Tests - Earn at least 18 points on seven end-of-course state tests. Each test score earns you up to five graduation points. You must have a minimum of four points in math, four points in English and six points across science and social studies.
2. Industry credential and workforce readiness - Earn a minimum of 12 points by receiving a State Board of Education-approved, industry-recognized credential or group of credentials in a single career field and earn the required score on WorkKeys, a work-readiness test. The state of Ohio will pay one time for you to take the WorkKeys test.
3. College and career readiness tests - Earn remediation-free scores in mathematics and English language arts on either the ACT or SAT.