



# STEM MAGNET MIDDLE SCHOOL PROGRAM OF STUDY AND PROGRAM REQUIREMENTS

## **FOR STEM MS STUDENTS ENTERING GRADE 6 IN THE 2017-2018 SCHOOL YEAR:**

### STEM MS ACADEMIC COURSE REQUIREMENTS:

- Completion of the STEM Magnet Middle School Program of Study including the coursework noted below

### ADDITIONAL STEM MS PROGRAM REQUIREMENTS:

- STEM MS Summer Programs - Mandatory STEM Summer Programs (must attend the entire time) – Entering Grade 6: Immersive OVERNIGHT Experience – 2 days, 1 night, Entering Grade 7: Immersive 2-3 day summer experience, Entering Grade 8: Immersive 2-3 day summer experience
- STEM Summer Assignments - Engaged Participation STEM Summer Reading/Math Assignments – Every summer entering Grades 6-8
- STEM Competitions - Participation in TWO STEM-related competitions.
- STEMists at Play/STEM Saturdays - Students must attend approximately 4-6 STEM Saturdays per school year. These events occur on weekends, outside of the school day, and are 4-6 hours in duration. Dates will be communicated in advance.
  - 6<sup>th</sup> Grade: students must participate in **ALL** 6 scheduled programs
  - 7<sup>th</sup> Grade: students must attend 2 fall and 2 spring programs
  - 8<sup>th</sup> Grade: students must attend 2 fall and 2 spring programs
- STEM Field Experiences - Mandatory participation and completion of the off campus STEM Middle School Field Experiences Program. This occurs during the school day and occasionally extends the school day.
- STEM Co-Curriculars – Mandatory participation and completion of STEM Co-Curricular Clubs
  - 6<sup>th</sup> Grade: students are required to participate in one club
  - 7<sup>th</sup> Grade: students must participate in Model UN and one additional club
  - 8<sup>th</sup> Grade: students must participate in Changemaker Capstone, one additional club and one competition
- Students must maintain A's, B's 7 C's and good citizenship to remain in the STEM/BMAH Program. Students will be placed on academic probation and/or good citizen contracts if they are not maintaining these standards and then be exited from the program. Students **MUST** complete all academic and additional requirements noted above. Students will be exited from the program at the conclusion of any academic year for non-compliance with program requirements. Students may be exited immediately for serious violations including those resulting in suspension and/or charges being filed with the criminal justice system.
- Students exiting the magnet program **MUST** return to their home school. They are not eligible to apply for an out of area transfer to remain at the STEM school.

**NOTE:** In the academic schedules that follow, [STEM] denotes a course for which students are cohorted.

**NOTE:** Students are committed to the three year program of study in the STEM/BMAH Magnet School & Program and should consider this upon accepting their seat in the program. Before you make your commitment, please consider: your desire to remain at your home school (your school assigned by address), your desire to remain with friends, the rigorous workload of the STEM programs, magnet bus transportation, and the required program of study, including the additional requirements of the STEM program BEFORE making your commitment to the STEM Magnet Middle School Program. Students will not be transferred out of the program unless there are extenuating circumstances including but not limited to family relocation, medical circumstances or other qualifying considerations. As noted, students must also maintain academic and good citizenship standing to remain in the program.

# GRADE 6

## Summer I

*Summer Program I experience for Rising 6<sup>th</sup> Graders Accepted into STEM Magnet Middle School – Overnight, 2 days/1 night and Summer I Math & Reading Assignment*

## 6<sup>th</sup> Grade

### Fall Semester

PD	A Day	B Day
1	Advanced Math 6/7 [STEM]	Advanced Math 6/7 [STEM]
2	Science 6 [STEM]	Science 6 [STEM]
3	English 6	English 6
4	Social Studies 6	Social Studies 6
5	STEM Art: True Colors	Health/PE
6	Gateway to Technology (GTT) [STEM]	Elective Period (Band, Orchestra, Chorus, AVID, etc.)

## 6<sup>th</sup> Grade

### Spring Semester

PD	A Day	B Day
1	Advanced Math 6/7 [STEM]	Advanced Math 6/7 [STEM]
2	Science 6 [STEM]	Science 6 [STEM]
3	English 6	English 6
4	Social Studies 6	Social Studies 6
5	World Language Explorations	Health/PE
6	Computing & Automation I [STEM]	Elective Period (Band, Orchestra, Chorus, AVID, etc.)

NOTE: Advanced Math 6/7 and Science 6 are scheduled consecutively as a block to enable transdisciplinary learning experiences.

# GRADE 7

## Summer II

*Summer Program II experience for Rising 7<sup>th</sup> Graders – 2-3 day immersion experience and Summer II Math & Reading Assignment*

### 7<sup>th</sup> Grade

#### Fall Semester

PD	A Day	B Day
1	Social Studies 7 [STEM]	Social Studies 7 [STEM]
2	Science 7 [STEM]	Science 7 [STEM]
3	English 7	English 7
4	Advanced Math 7/8	Advanced Math 7/8
5	World Language 1A	Health/PE
6	Gateway to Technology (GTT) [STEM]	STEM FACS or Elective Period (Band, Orchestra, Chorus, AVID, etc.)

### 7<sup>th</sup> Grade

#### Spring Semester

PD	A Day	B Day
1	Social Studies 7 [STEM]	Social Studies 7 [STEM]
2	Science 7 [STEM]	Science 7 [STEM]
3	English 7	English 7
4	Advanced Math 7/8	Advanced Math 7/8
5	World Language 1A	Health/PE
6	Computing & Automation II [STEM]	STEM FACS or Elective Period (Band, Orchestra, Chorus, AVID, etc.)

NOTE: Social Studies 7 and Science 7 are scheduled consecutively as a block to enable transdisciplinary learning experiences.

# GRADE 8

## Summer III

*Summer Program III experience for Rising 8<sup>th</sup> Graders – 2-3 day immersion experience and Summer III Math & Reading Assignment*

### 8<sup>th</sup> Grade

#### Fall Semester

PD	A Day	B Day
1	English 8 [STEM] *	English 8 [STEM] *
2	Science 8 [STEM]	Science 8 [STEM]
3	Social Studies 8	Social Studies 8
4	Algebra I	Algebra I
5	World Language 1B	Health/PE
6	Gateway to Technology (GTT) [STEM]	Elective Period (Band, Orchestra, Chorus, AVID, etc.)

### 8<sup>th</sup> Grade

#### Spring Semester

PD	A Day	B Day
1	English 8 [STEM] *	English 8 [STEM] *
2	Science 8 [STEM]	Science 8 [STEM]
3	Social Studies 8	Social Studies 8
4	Algebra I	Algebra I
5	World Language 1B	Health/PE
6	Computing & Automation III [STEM]	Elective Period (Band, Orchestra, Chorus, AVID, etc.)

NOTE: English 8 and Science 8 are scheduled consecutively as a block to enable transdisciplinary learning experiences. \*The English & Science block in Grade 8 also includes the completion of a Grade 8 STEM MS Changemaker Capstone project where the students work in teams on a Social Innovation to make a lasting impact locally and/or globally. This capstone is mandatory.