



# Elementary Enrichment Opportunities

**Target  
Audience:  
Elementary  
Schools**

**Presented by AMA – Iosco MSC Facilitators**

**AMA-  
Iosco  
Math  
Science  
Center**

The AMA-Iosco Math Science Center with the AMA has developed a program to save area schools money while enriching student STEM (Science, Technology, Engineering and Mathematics) experiences. The center has designed programs to address existing and developing educational standards in Michigan and across the nation. The programs were developed using resources provided from Michigan Tech, NASA and NSTA to provide schools with programs to educate excite and enrich STEM in Northeast Michigan.

**All supplies are provided. There is no cost to schools.**

#### Enrichment Program Goals

- Introduces students to STEM careers like Biomedical Engineering, Safety Engineering, Computer Engineering, Civil Engineering, and many others.
- Teach students about the Engineering Design Process, part of the Next Generation Science Standards expected to be adopted by Michigan about June 2013.
- Immerse students in the engineering design process through hands-on STEM activities. Each grade has unique hands-on activities.
  - K – Flight
  - 1 – Building
  - 2 – Rocketry
  - 3 – Building
  - 4 – Rocketry
  - 5 – Rocketry

For further info,  
contact Tracy  
daugustinot  
@amaesd.org

**Elementary Enrichment programs can be  
scheduled on dates your teachers are  
participating in professional development.**

**Registration Deadline:**

**Register with Tracy D'Augustino at  
[daugustinot@amaesd.org](mailto:daugustinot@amaesd.org)**



## Save on Subs!

The AMA/Iosco Math Science Center's enrichment program is available for your students while teachers are in professional development. The center will send at least two facilitators, but can also send additional staff, when available, to help reduce the number of parent volunteers needed and to take attendance in the morning before activities start.

**Schedule your student enrichment activities by e-mailing Tracy ([daugustinot@amaesd.org](mailto:daugustinot@amaesd.org))**

The enrichment programs are currently provided at no cost to Alpena schools when they are scheduled during specific Professional Development (TWP or Data Reviews). Although the enrichment programs require some additional planning by the schools we believe the benefits exceed this additional time cost. Schools who participate do not need to hire subs for the teachers attending the PD, teachers do not need to spend valuable time to write sub plans and the students will be engaged in professionally developed programs designed to meet specific needs for the growth of STEM in Northeast Michigan.

The enrichment days provide grade appropriate demonstrations and activities focusing on STEM and incorporating the engineering design process. Each session consists of a demonstration and hands-on student activities designed to engage and excite students about math, science, and engineering.

### School Responsibilities ...

- Arrange an appropriate space (extra classroom, gym, cafeteria, or library) with room for students to move around.
- Arrange students into groups of 4-6 and provide an adult volunteer for each group (maximum of 6 groups per classroom teacher).
- Provide an individual to supervise the student break (15-20 minutes) between the demonstration and hands-on activities.

### The AMA/ Iosco Math Science Center...

- Will provide all supplies for the activities
- Will provide at least 2 facilitators to lead the activities
  - o Staff to take attendance, supervise students, and bring students to the activity area in the morning.
- Will guide parent volunteers and students.

### SAMPLE SCHEDULE

Times needed (2.5 – 3 hours) – modified to meet the PD needs of the day

60-minute demonstration

20-minute recess school monitored

70-minute hands on activity (adult volunteers required)

**Don't delay...schedule your student enrichment activities today!**