Dear Parents:

- Each child will attend two 40-minute activities, prepared specially for their grade grouping: K, 1-2, 3-4, and 5-6. He/she may start with either activity, then rotate to the other activity for his/her grade.
- If you have several children, please accompany your youngest child and send your other child(ren) to the activities for their grade.
- Activities will run from 6:35-7:15 PM and 7:20-8:00 PM; refreshments will be in the cafeteria from 8:00-8:30 PM.
- Parents are encouraged to become active participants in the activities. Please assist the children, as needed. Have fun!!

<table>
<thead>
<tr>
<th>Grade Grouping</th>
<th>Activity / Room Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>K</td>
<td><strong>Gummy Bear Math</strong> Room 109</td>
</tr>
<tr>
<td></td>
<td>Students will sort and group bears by color, then create a bar graph to show the color distribution of the gummy bears. Next, students will use gummy worms to measure objects in the classroom. Why do we use centimeters, instead of gummy worms, as our unit of measurement? Presenters: Randy Tufts - MTU grad student Geological Engineering Lisa Kraft - MTU grad student Environmental Policy &amp; AmeriCorps Member</td>
</tr>
<tr>
<td>K</td>
<td><strong>Pattern Train</strong> Room 108</td>
</tr>
<tr>
<td></td>
<td>Students have fun making trains with “cars” of different colors and thicknesses. Can they follow the pattern? Make up a new pattern? Next, students use M&amp;Ms for fun sorting and grouping activities. Presenter: James Shelden - MTU student Math Sciences Sarah Fausell - MTU student Biological Sciences</td>
</tr>
<tr>
<td>1-2</td>
<td><strong>Getting to the Moon with Big Numbers</strong> Room 103</td>
</tr>
<tr>
<td></td>
<td>How many zeroes in a million? After this activity, large numbers will no longer be scary...and you might even reach the moon! Presenters: Anne Haight Leckenby - MTU student Math Education Henry Leckenby - MTU grad student Physics</td>
</tr>
<tr>
<td>1-2</td>
<td><strong>Geometric Patterns</strong> Science Room</td>
</tr>
<tr>
<td></td>
<td>Shapes are all around us, but do you notice them? A variety of hands-on manipulatives and math games will sharpen your observational skills for geometry. Presenters: Shawn Len - MTU grad student Geophysics Dave Schultz - MTU student Electrical Engineering</td>
</tr>
</tbody>
</table>
Grade Grouping | Activity / Room Location
--- | ---
3-4 | 1. *Mind-e-Matics* Room 206
You and your child will be challenged by a variety of math puzzles that look at shapes, number sense, manipulating money, and graphing. Don’t feel bad if you’re ’out-mathed’ by your youngster!
Presenters: Scott Miers – MTU grad student Mechanical Engineering
Erin Thomas – MTU student Physics

3-4 | 2. *Graphing Mania* Room 204
Graphs are a shorthand way to display number information. What is the relationship of height to arm span? What is the favorite sport of C.J. Sullivan 4th graders? Using graph coordinates, can you find the pirates’ hideout?
Presenters: Timm Carson – MTU grad student Mechanical Engineering
Christine Phelps – MTU student Math Sciences

5-6 | 1. *Instant Insanity* Room 210
Math is like mental calisthenics. Exercise your brain trying to solve these challenges. Your time is limited, so work quickly!
Presenters: Leo Ureel – MTU grad student Computer Science
Traci Faulkner – MTU student Mechanical Engineering

5-6 | 2. *Get the Die Rolling* Room 212
Probability! What is the probability that you’ll roll a “6” or a “2”? What is the probability that you will make your own pair of dice and have fun rolling!
Presenters: Sandra Pavlo – MTU student Computer Science
Ranee Meiers - MTU student Math Science

8:00-8:30 Refreshments in the Multi-Purpose Room

Funded by the Copper Country ISD Math & Science Satellite Center, Wege Foundation and the National Science Foundation under Grant No. DUE9979572

Conducted by the Center for Science & Environmental Outreach, School of Forestry & Wood Products, and the Departments of Education, Math Sciences and Civil & Environmental Engineering at Michigan Tech University