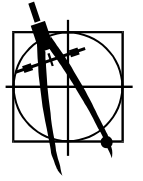


# WELCOME TO FAMILY MATH NIGHT

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!!**

## Grade Grouping      Activity / Room Location

**K** .....      **1. *Gummy Bear Math***      **Room 109**  
 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 & AmeriCorps Member

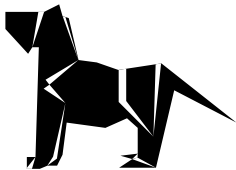


**K** .....      **2. *Pattern Train***      **Room 108**  
 Students have fun making trains with "cars" of different colors and thicknesses. Can they follow the pattern? Make up a new pattern? Next, students use M&Ms for fun sorting and grouping activities.  
 Presenter: James Shelden - MTU student Math Sciences  
 Sarah Fausell - MTU student Biological Sciences

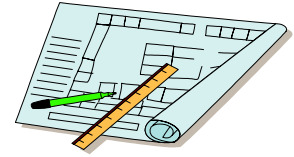
**1-2** .....      **1. *Getting to the Moon with Big Numbers***      **Room 103**  
 How many zeroes in a million? After this activity, large numbers will no longer be scary...and you might even reach the moon!  
 Presenters: Anne Haight Leckenby - MTU student Math Education  
 Henry Leckenby - MTU grad student Physics



**1-2** .....      **2. *Geometric Patterns***      **Science Room**  
 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



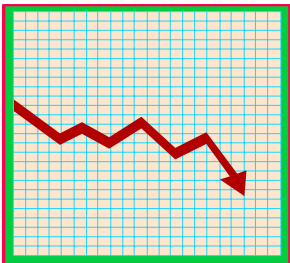
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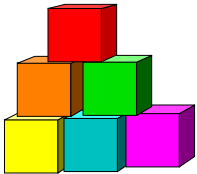
Grade Grouping      Activity / Room Location

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 4<sup>th</sup> 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***



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