

April 15, 2019

Dear Parents & Students,

*AT CFMS we believe in a culture of communication and collaboration. To provide support to students and staff in order to maximize potential, growth and achievement, we must build a climate of **TEAMWORK**. Therefore, ALL CFMS 8th Graders will be participating in a team roller coaster building competition, with a science and math emphasis May 23rd-25th. This is part of our interdisciplinary unit: **How Are We Forces in Motion?***

Key concepts for this challenge are:

1. Objects can experience a force due to an external field such as magnetic, electrostatic, or gravitational fields.
2. Forces can act to change the motion of objects; motion is a result of unbalanced forces.
3. Newton's Laws 1 and 3.

Mathematical habits practiced in this challenge:

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make sense of structure.
8. Look for and express regularity in repeated reasoning.

*After the roller coaster building competition, the 8th grade will celebrate and have an opportunity to see these concepts in action on a larger scale, The whole 8th grade will go to Cedar Point on **Tuesday, May 28th 7:40 a.m. - 7:00 p.m.***

Dress: Wear comfortable walking shoes; layers & class t-shirts are recommended. Watch the weather for raincoats. We will go rain or shine.

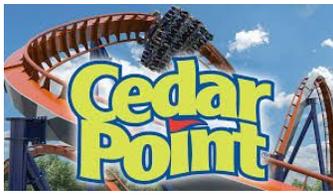
Lunch: Bring money to purchase lunch or pack a lunch.

Cost: \$60 per student to cover entrance ticket and chartered bus costs.

Cash or checks made payable to CFMS

Expectations:

Chagrin students will be role models for the community and our school. When on the trip, be kind and respectful to all around you. Follow rules of the Precious Cargo bus company, Cedar Point, and Chagrin Schools. While in the park, always stay with at least one friend. If you have a cell phone, please have it on to receive Remind notices from staff. Be sure that everyone has an enjoyable time, someone to ride with, and someone to hang around.



Permission Slips and money due to Homeroom teachers by Tuesday, May 14th.

I give permission for _____ to go to

(Print Name)

Cedar Point on Tuesday, May 28, 2019.

7:40 a.m. - approximately 7:00 p.m. on Precious Cargo buses

*Permission Slips and money due to Homeroom teachers by, Tuesday, May 14th.

We will bring the printed school final forms with emergency contact numbers, insurance information, and consent to treat. If there are any updates to the paperwork that the school has, please record that in the special notes space below.

Special Notes:

Parent / Guardian Signature _____ Date _____

Print Name of Parent / Guardian _____