

Brassfield Elementary Math & Science Extravaganza

Thursday, February 1, 2018 6:00-8:00 pm

Students are invited to participate in the Math and Science Extravaganza, a Brassfield student/community school year highlight. It is a great opportunity for junior scientists and mathematicians to explore their worlds and expand their minds. It is always an evening of fun and amazement for students and their families, as we experience the wonders of math and science together! ***Special guest exhibitors will be presenting throughout the evening.***



This is NOT a judged event. Every participating student will receive recognition. Small group projects are welcome. ALL projects must be entered and ***each student participant requires a signed entry form; see page 3.***

IMPORTANT DATES:

Complete the entry form on page 3, get a parent's signature, and return it to your teacher by:

- TRACKS 1, 2 and 3 deadline: Friday, January 12th
- TRACK 4 deadline: Friday, January 19th (if possible return in Dec, prior to tracking out)
- SET UP YOUR PROJECT/DISPLAY AT SCHOOL: Wednesday, January 31st, 5:00-7:00pm
- EXTRAVAGANZA NIGHT!: Thursday, February 1st, 6:00-8:00pm

PROJECT ENTRY CHECKLIST:

- ___ 1. Choose a topic or experiment/invention of interest. exhibits handing out food/candy
Any live animals or exhibits handing out food/candy require pre-approval
- ___ 2. Research your topic and determine project set-up needs and timeline.
- ___ 3. Complete the entry form and return (page 3 only) to your classroom teacher by the due date
- ___ 4. Begin putting materials together and conduct experiments.
- ___ 5. Summarize your conclusions/what you learned from your project.
- ___ 6. Make your project display. Rehearse your explanation.
- ___ 7. Don't forget to put your name(s) on your display
- ___ 8. Bring your project and display for set-up at the school on:
Wednesday, January 31st between 5:00 -7:00pm
- ___ 9. Come show off your hard work, see other displays, and enjoy guest exhibitors on:
Thursday, February 1st between 6:00 – 8:00pm*

***TAKE YOUR PROJECT HOME WITH YOU AT THE END OF THE EVENING**

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RULES AND GUIDELINES:

- *Space is limited.* Each exhibit will have approximately 3 feet of table space available for their display. Freestanding display boards are recommended as most of the tables do not have wall space as part of the display area. If needed, self-standing tri-fold display boards can be purchased at Dollar Tree, Amazon, Michaels, AC Moore, Target, Walmart or office supply stores.
- *Exhibitors requiring electricity or extra space for their projects must state this* on the entry forms, or let the event organizers know ahead of time. Electricity-dependent projects will be limited on a first-come, first serve basis, as there are not a lot of outlets available. All other material and equipment for the exhibit must be supplied by the student. TVs, DVD players, laptops, extension cords and other electronics **CANNOT** be provided by the school.
- *All exhibits will be screened for safety.* We will exclude any exhibits that could possibly cause harm or injury. Please keep safety in mind during all phases of your project.
 - Choose a project that can be demonstrated in a safe manner in a crowd, especially a young crowd.
 - Use plastic instead of glass wherever possible
 - Water use must be managed in a safe and tidy way
 - Open flame not permitted – find a safer heat/light source
- *A title and short paragraph* or outline explaining your project should appear with your exhibit. You should be able to explain your project to viewers. You will spend part of your evening explaining your project and what you learned and part exploring other exhibits.
- **Any live animals or exhibits handing out food/candy require pre-approval by the principal and event organizers.**
- *Projects should be student-driven* work as much as possible. Students can design their project, manipulate materials, and summarize / create their presentation. Parents are allowed and encouraged to help where needed.

PROJECT IDEA RESOURCES:

- There are an unlimited amount of ideas out there. Try searching online for math or science projects by topic or interest. Google is a great resource! There are also many books at school and local libraries that have ideas for projects. OR create one of your own using your imagination – these often turn out the best!

HELPFUL HINTS AND LESSONS LEARNED:

- If you do a demonstration, expect to repeat it many times. Bring enough supplies to amaze and entertain your friends over and over! Please bring clean up supplies (wipes, paper towels, garbage bags) if needed.
- Present your project in a bright and simple manner. Use photographs, pictures and large print to make your display interesting and easy to follow.
- Save \$\$ -- Use household items and recyclables. Be practical and HAVE FUN!
- Your project does not have to be an experiment. It can be a research project on something you are interested in, such as creating a cool math puzzle or game, an art display using math and geometry, or a display of interesting facts about your favorite animal.
- Eat before you come or purchase pizza, drinks, and cookies at very reasonable prices; made available at the event by your PTA in the cafeteria, while supplies last. **We ask that you do not bring in outside food.**
- Consider recording your experiment on video and playing it back during the Extravaganza. This works great for experiments that are messy, a little dangerous, or not easily repeated. You can also leave the video loop running while you explore other exhibits.

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Complete and return this signed entry form to your teacher by:

- **Tracks 1, 2 and 3: Friday, January 12th**
- **Track 4: Friday, January 19th** (If possible, return in Dec prior to tracking out.)

Project Title: _____

Project Short Description: _____

Project Participant(s): Student #1

First Name:

Last Name:

Teacher:

Grade:

Track: 1 2 3 4

Parent / Guardian Name:

Parent e-mail:

Parent phone #:

Are other students participating in this project? If no, skip this section. If yes, complete this section. Each student listed below MUST turn in a signed entry form, unless it is a sibling of the above named student and they are working on the same project.

Student #3 First & Last Name:

Teacher/Grade:

Student #4 First & Last Name:

Teacher/Grade:

Student #5 First & Last Name:

Teacher/Grade:

Each exhibit will be allotted ~**3 feet** of table space. Let us know if you need extra table space or standalone floor space. **List any special items that you will use for your exhibit, such as electrical outlets, extension cords, water, animals*, food*, etc.** We cannot provide extension cords, TV or video equipment. *Animal exhibits and exhibits handing out food/candy **MUST** be pre-approved

Special Items:

Parent/Guardian Permission: I give my child(ren) permission to participate in the Math & Science Extravaganza. We have read, understand and agree to all the rules and guidelines (see page 2).

Parent/Guardian:

Printed name

Signature

Date