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. *Registration is required for ALL projects and for each participant*.

IMPORTANT DATES:

- TRACKS 1, 2 and 3 REGISTRATION DEADLINE: Friday, January 19th (New date)
- TRACK 4 REGISTRATION DEADLINE: Tuesday, January 23rd (New date)

Registration available 2 ways:

- 1. Complete, sign and return page 3 to your student's teacher by the deadline:
- 2. Complete the NEW online registration: https://docs.google.com/forms/d/1wlhld7A45k1uC4Bs06xar2YAq7RMESZhBK-8O dzYv4/edit?usp=sharing
- 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.		
	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.	Parents to complete the student's registration by the deadline.	
 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 (pizza at 5:30pm)*	

*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 <u>CANNOT</u> 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.
 - o 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
 - o Water use must be managed in a safe and tidy way
 - o 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 <u>live animals or exhibits handing out food/candy require pre-approval</u> by the principal and event organizers.
- <u>Projects should be student-driven</u> 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:

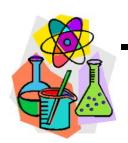
- If you do a demonstration, expect to repeat it many times. Bring enough supplies to amaze and entertain your friends over and over! Please bring clean up supplies (wipes, paper towels, garbage bags) if needed.
- Present your project in a bright and simple manner. Use photographs, pictures and large 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.

Co-chair: Jennifer Oldson (general ?s): <u>oldsonzoo@gmail.com</u>

Keep this page for your reference. Do NOT return with entry form.

Co-chair: Kim Fryar (registration): <u>KimRFryar@gmail.com</u>

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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 prosection. Each student listed below MUST to the above named student and they are worth	<u>ırn in a signed entry form, unle</u>	· ·		
Student #2 First & Last Name:	Tea	cher/Grade:		
Student #3 First & Last Name:	Tea	cher/Grade:		
Student #4 First & Last Name:	Tea	cher/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				
Electrical Outlet needed: Yes or	No			
Special Items you will bring/use:				
Parent/Guardian Permission: I give my child Extravaganza. We have read, understand and	·			

Printed name
Co-chair: Jennifer Oldson (general ?s): oldsonzoo@gmail.com

Co-chair: Kim Fryar (registration): KimRFryar@gmail.com

Parent/Guardian:

Signature

Date