

ENTRY FORM PACKET



Mountain Park Science Expo

Thursday, October 11th

6:00 pm—7:30 pm

(5:30 – 6:00 PM Sign In & Set Up)

Mustang Science Lab (Cafeteria)

All K-5 Scientists Invited!

Entry Forms Due: September 7, 2018

Via school folders, front office or by email to: michellejdempsey@gmail.com

For More Information contact the Science Expo Co-Chairs:

Michelle Dempsey michellejdempsey@gmail.com / 404-993-3468

Lia Bertelson liabertelson@gmail.com / 404-840-9534

SCIENCE EXPO ENTRY FORM (print legibly)

Participant Name _____

Grade _____ Teacher _____

Partner(s) (if applicable) _____

Partner's Grade and Teacher (if applicable) _____

Email Address (resource scientists only) _____

Category (check one of the following):

_____ **Research Scientist-** Participants are challenged to do a science investigation or research project at home and then display the project at the Science Expo. (Teams and Groups Allowed)

_____ **Resource Scientist-** Parents, grandparents, aunts, uncles, etc. will share a little bit of science with our Mustangs. Open to adults, this category is intended to draw on the vast diversity of careers and interests at Mountain Park. Some examples may include: a ham radio demonstration or even a display of a specific industry technology (probably a field in which someone works or has worked).

Project Title:

Project Description:

_____ I will need access to electricity

_____ I will need other special requirement (please detail) _____

Please return this form by via school folders, front office or by email to:

michellejdempsey@gmail.com by Friday, September 7. If you are not a MPE student, please include an email address.

Keep this page at home for your reference

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What is the Mountain Park Elementary Science Expo?

The Science Expo is a voluntary, non-competitive display of your science work that you complete at home with a parent or a partner. Our goal is for MPE students to be excited about science. This event assures that our students have a wonderful opportunity to display their scientific talents and learn more about science.

What do I need to do?

Step 1 - Fill out and return the Entry Form.

Step 2 – Once the Science Expo Committee has reviewed your entry, you will receive an acceptance letter in your school folder.

Step 3 – It's time to have fun creating a science project at home with a parent or a partner that you will then display at the Science Expo!

Step 4 – Attend the Science Expo on October 11. Plan to arrive at 5:30 PM to receive your table assignment and set-up your project.

What type of science project is acceptable?

The focus of the Science Expo is doing the work of a scientist or displaying scientific information to the audience. An experiment, a research project, or a scientific collection is awesome! We want you and your audience to learn more about the areas of science that interest you.

Below is a list of general topics & sample questions that you could consider for a science project. It will start you thinking about all the many areas of science you can investigate. Also consider doing a project on a science topic that you will cover in class this year.

Aerodynamics	Ecology	Light	Planets	Tides
Airplanes	Electricity	Liquids	Plants	Trees
Amphibians	Energy	Machines	Pollution	Vertebrates
Astronomy	Engines	Magnetism	Recycling	Vocal cords
Birds	Fish	Mammals	Reptiles	Water
Bones	Flowers	Moon Phases	Respiratory system	Weather
Camouflage	Food chains	Motion	Robotics	Worms
Color	Geology	Muscular system	Rockets	Yeast
Conservation	Gravity	Nervous system	Rocks	
Constellations	Heart	Nutrition	Shells	
Crystals	Heat	Oceanography	Solar system	
Digestive system	Insects	Parasites	Sound	
Earth	Invertebrates	Photosynthesis		

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Consumer Science

Which product works the best?

Biochemistry

What foods have starches?

What is the salinity of tears?

Microbiology

What things will biodegrade?

Why does food spoil?

Chemistry

What is the effect of acid rain on plants?

What conditions affect the rate of chemical reactions?

Energy and Electricity

What is the best conductor and why?

What material is the best insulator?

How is steam used to work?

Health Science

How do video games affect heart rate?

How does smoke affect living things?

Botany

What things affect plant growth?

Do some plants drink more water than other plants?

Why do leaves turn color in the Fall?

Physics

How does color affect temperature?

How does sound travel?

What factors determine how far a baseball travels when hit?

Behavioral Science

What effect does music have on memory?

How can a pet be taught to run a maze faster?

What effect does food have on a pet during training?

Earth Science

How do crystals grow?

How can we predict weather?

How much pollution is in our air?

What makes a rainbow?

Where can I get ideas for my science project?

MPE has a large assortment of science books. Also our local libraries & bookstores are full of different books with workable ideas. The Magic School Bus is a fantastic series of books that usually includes experiments in the back. There are also lots of great websites, such as:

<http://www.tryscience.org/>

<http://science.howstuffworks.com/>

<http://www.doscience.com/>

<http://www.sciencebob.com/>

<http://spaceplace.nasa.gov/en/kids>

<https://kids.nationalgeographic.com>

<https://billnye.com/>

<https://www.stevespanglerscience.com/lab/experiments/>

If you have any questions, please contact the Science Expo Co-Chairs, Michelle Dempsey at michellejdempsey@gmail.com or Lia Bertelson at liabertelson@gmail.com.