

## SCIENCE FAIR 2018-19

Friday, February 8<sup>th</sup>, 2019

Class Tours from 9:30-3:30 p.m.

Evening Program: 6:30-8:00 p.m.

Special Guest – MadScience  
with hands on experiments  
during the evening program!

- Awards will be given out for the top scoring experiments in each grade. All students that submit a project will receive a Participation Ribbon. Students that bring their completed project (including name and class on back of board) to the gym between 8:45- 9:00 am on February 8<sup>th</sup> will also receive a small prize!
- You can work on your project by yourself or with up to 2 partners. While parent involvement is welcomed, we strongly encourage students to do as much as possible on their own.
- You can think up your own project or get ideas from science books at home, on display at the school library, your teacher, Pinterest or Eastgate PTA website.
- If you are planning on participating in the 2018-19 Science Fair, please fill out the attached entry form and return it to the school between January and Friday, January 1st.

If you have any questions, please contact [sciencefair@eastgatepta.org](mailto:sciencefair@eastgatepta.org)

Or go to <http://www.eastgatepta.org/science-fair.html>



## INSTRUCTIONS FOR PARTICIPANTS:

1. Turn-in the completed and signed Science Fair Proposal to the school by **February 1<sup>st</sup> 2019**.
2. You have two options for your project:  
  
An Experiment using the Scientific Method **OR** A Research Project (please see instructions for both on the following pages)  
There is a Log Book/Journal on the PTA website that you can print!
3. Display your findings on a Tri-Fold Display Board (see example).
4. **Bring your tri-fold display to the GYMNASIUM between 8:40-9:00 a.m. on the day of Science Fair (Friday, February 8th).**
5. Include name, grade, and teacher on the back of the display.
6. Judging will happen anonymously during school hours. Awards will be given out during the evening program.
7. All science projects must be taken home directly at the end of the evening of Science Fair (or will put in the trash!)

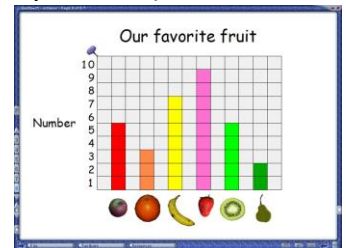
# HERE'S HOW TO GET STARTED WITH YOUR **EXPERIMENT**:

Use the **Scientific Method** for your Science Fair Experiment. The Scientific Method is: Question-Hypothesis-Experiment-Record-Conclude. For a helpful, printable fill-in journal to complete your project go to <http://www.eastgatepta.org/science-fair.html>

1. **Begin with a question - the title for your experiment.** Think of something you want to learn about. Choose a topic that interests you, then ask a question about it!  
"Title: *[your question]*"
2. **State your "hypothesis".** A hypothesis is your guess at the question. Think of what you expect the answer to your question might be. Take a guess!  
"I think *[this will happen]* because \_\_\_\_\_"
3. **Test - create an experiment.** To test your hypothesis, think up an experiment that will show if you are correct. Gather all the supplies/materials you will need, list them on paper, then do the experiment!
  - **Materials:** \_\_\_\_\_
  - **Supplies:** \_\_\_\_\_

4. **Record your findings.** Describe your procedure (what you did in the order you did it) and tell what happened with your experiment. Write down everything you observe happening during your experiment. Use of graphs or tables are encouraged.

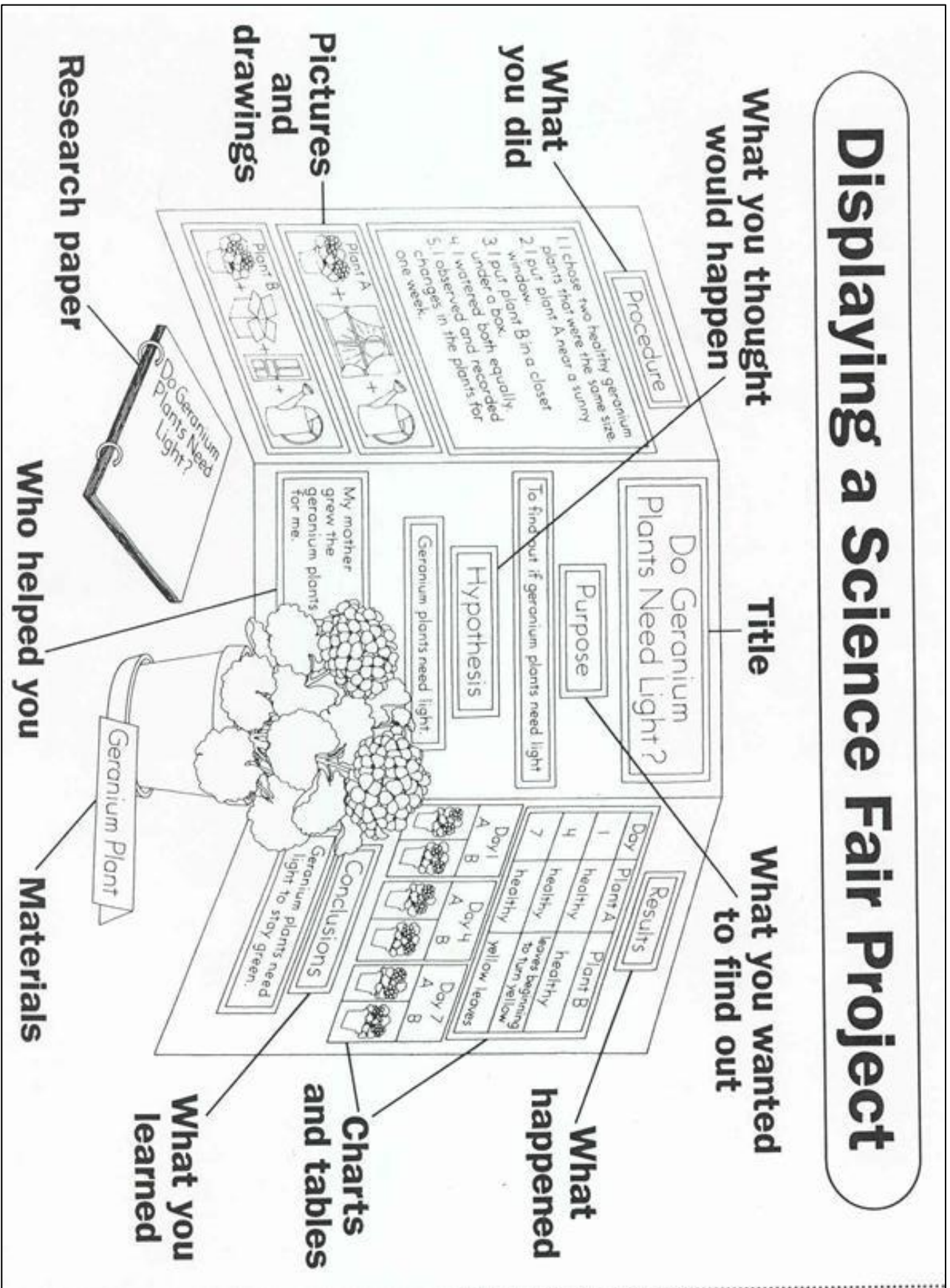
- **Steps for collecting data: (1) (2) (3)**
- **Observations [smell, see, hear, etc.]** \_\_\_\_\_



5. **State your conclusions.** Tell if your hypothesis was correct or incorrect and why. A short-written description of what happened that includes the tools and process used to collect information. Did your experiment prove your hypothesis correct? Wonderful! If your hypothesis was not correct, don't worry! Historically, some of the most important experiments have been those which disprove the original hypothesis.  
"*[this happened]* when I *[did this]*. I think this is because \_\_\_\_\_.  
My hypothesis was [correct/incorrect] because \_\_\_\_\_."

6. **Display - Use a standard Tri-Fold Poster Board to display all the information.** Each point above should be on your display. (Your name and teacher should be on the **back** of the board) See the examples on the next page.

# Displaying a Science Fair Project



## HERE'S HOW TO GET STARTED WITH YOUR **RESEARCH MODEL:**

For your research project, you will need to make a model and compete a Science Journal.

1. **Begin with a question** - the title for your experiment. Think of something you want to learn about. Choose a topic that interests you, then ask a question about it!

**“Title: [your question]”** example: *“What is the Solar System?”*

Your question will determine which type of model you make.

There are three types of scientific models: the Why Model, the How Model, and the What Model.

The What Model – shows **what** something is (like our example above)

The How Model – shows **how** something works. Such as “How does a volcano explode?”

The Why Model – shows **why** something happens. Such as “Why does the Earth have seasons?”

2. **Research your question and record your findings in your journal.**

**For a helpful, printable fill-in journal to complete your project go to**

<http://www.eastgatepta.org/science-fair.html>

Complete the journal as much as possible, including the last page where you list your sources – this is where you got your information.

Books – write down the book title, and author

Websites – write down the entire site address – such as

<https://www.sciencebuddies.org/science-fair-projects/science-projects>

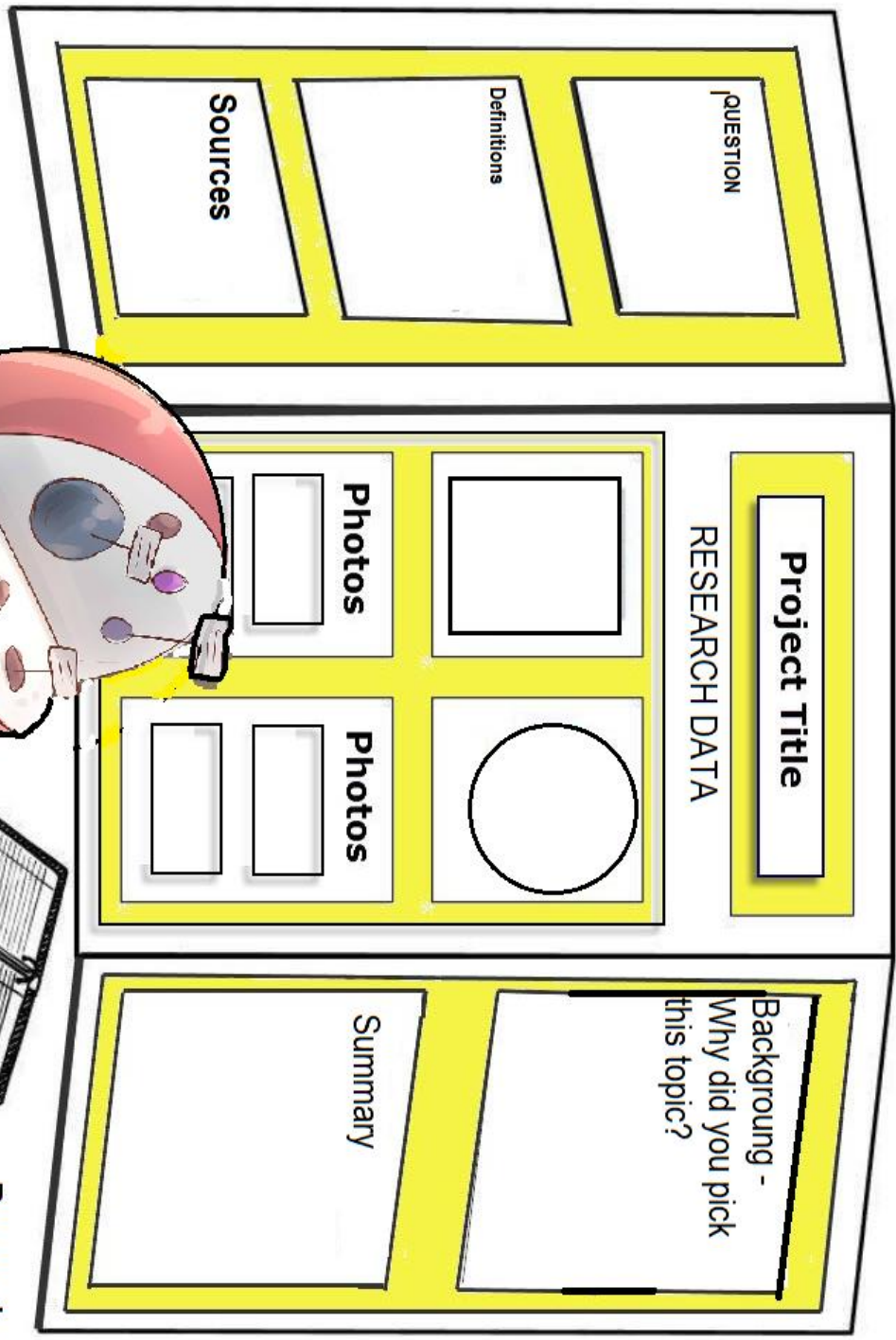
Magazines - Article Name, Magazine Name, Author

3. **Make the model.** Label the parts or use a “Key Code” to explain what things are.
4. **Display** - Use a standard Tri-Fold Poster Board to display all the information you collected for your research.

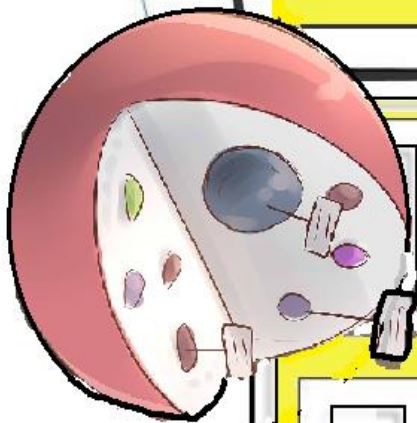
**Your display should include:** (1) Title – your question (2) The answer to your question – a summary of your research (3) List of Sources - books, websites, etc. (4) Definitions of important words (5) Your name and teacher should be on the **back** of the board



SCIENCE FAIR DISPLAY RESEARCH MODEL



Model



Research Journal/Paper

# SCIENCE FAIR PROJECT PROPOSAL

*Proposal due no later than Friday, February 1<sup>ST</sup>!*

*Projects due to the gym 8:45-9:00 am February 8<sup>TH</sup>*

Student Name: \_\_\_\_\_

Parent/Guardian Name: \_\_\_\_\_

contact/email: \_\_\_\_\_

Grade: \_\_\_\_\_ Teacher: \_\_\_\_\_

Title of Experiment: \_\_\_\_\_

## IMPORTANT INSTRUCTIONS:

1. **Space: 3 ft x 3 ft each** - Projects each have a 3 foot by 3 foot space for the student's tri-fold board and any other materials needed.
2. **No tablets/lap tops or handouts (such as samples) during the class tours** - during the day, the project will be unattended in the gym while class tours are going on, so please refrain from sending these items.
3. **No Demonstrations** - please note there will not be time for a demonstration of the project during class tours or during the evening program.

Additional Comments/Requests:

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[  ] I give permission for my student to be pictured on the website, in yearbook, in e-news, or on social media as a participant in the Science Fair. [  ] I do not give the above permission

*Parent or Guardian Signature* \_\_\_\_\_