



HAAS Science Fair Seminar

September 21st, 2011

5-6 pm

HAAS Dining Hall

Ms. Critser

Mrs. Garreau-Jones

Ms. Green

Mrs. Sessa

Mrs. Oldershaw

Mrs. Brazeal

What is a Science Fair?

- A journey of scientific inquiry
 - Students answer a scientific question by designing and conducting an experiment.
 - The process ends with a showcase event that shows students that their work matters to our school community.

Why have a science fair?

Develop real science skills

Encourage higher order thinking

Establish intellectual engagement

Support Next Generation Sunshine State Standards for Science

Motivate students

Recognize achievement

Excite participants

Have fun

Project Planning

Our planning involves breaking the science project into small, manageable assignments that are spread out over time.

HAAS follows the Broward County Science Fair timelines and criteria.

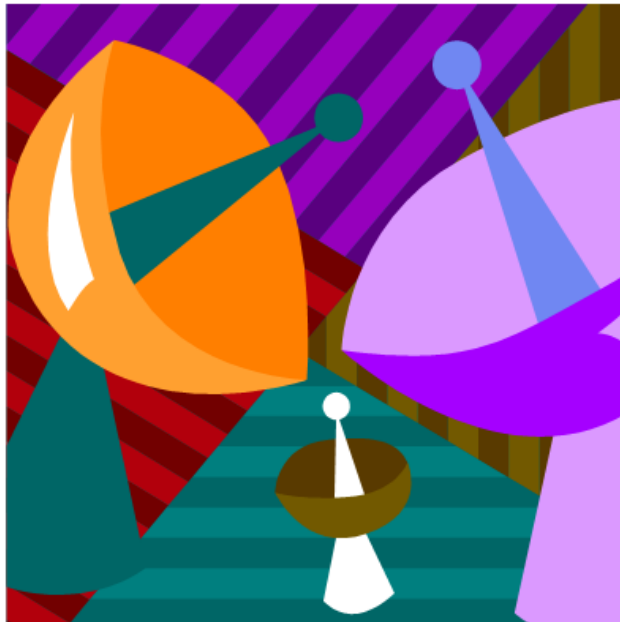
Science fair packets were sent home with students at the beginning of the science fair and are also available online at:

www.hollywoodcharter.org

Elementary School SCIENCE FAIR



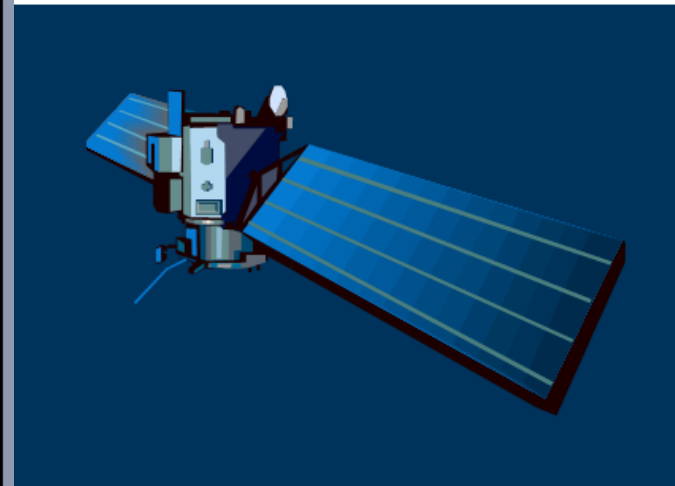
Elementary Student Science Fair Packet



Middle School SCIENCE FAIR



Middle School Science Fair Packet



How your child's class will participate...

K-2	Completes a science fair project as a class
3-4	Will complete the science fair in the 4 th quarter. Students will work in class and at home to complete.
5	In order to prepare our 5 th graders for middle school, they will be following the same format and deadlines as middle school.
6-8	Middle school will follow ISEF rules and guidelines allowing them the opportunity to advance from our HAAS science fair to Broward County and State competitions.

Dates

	Assigned	Due
Title Defining the Problem (Form 1A – Middle School)	Aug 29 th , 2011	Sept 9 th , 2011
Background Information Bibliography Hypothesis	September 13 th , 2011	October 4 th
Procedures Materials (Form 1B - Middle School)	October 11 th , 2011	October 25 th , 2011
Data Conclusion Application	November 1 st , 2011	December 6 th , 2011
Notebook Display Board, (ISEF Abstract – Middle School)	December 12 th , 2011	January 11 th , 2012
HAAS SF Judging	January 16th-17th, 2012	
HAAS Science Fair	January 18th, 2012	
Broward County Science Fair	February 11th, 2012	

Grading

- Rubrics are provided in the science fair packet for the students and parents to review. The rubric is used to help guide the students on what is required for the section.
- Middle School completed science fair is worth 250 points. Each section is worth 50 points.
- 5th Grade completed science fair is worth 80 points. Each section is worth 10-20 points. (Note: Please look at rubric to confirm points)

Safety

- Procedures are developed by the ISEF to protect the health and well being of parents, students, and staff.
- ISEF Safety Guidelines can be found at:
www.societyforscience.org
- Teachers will also review safety procedures with the class.
- Parents please ensure safety guidelines are abided by.

Scientific Method

The scientific method is the “tool” used by scientists to find answers to questions.

It is the process of thinking through the possible solutions to a problem and testing each possibility for the best solution.

Scientific Method

Research	What would I like to know more about?
Title	Picking a title, Must be catchy, short.
Defining the Problem	Narrowing down your specific question that you want to test
Background Information	Conducting research on your topic
Bibliography	Citing your sources of information
Hypothesis	Make an educated guess. What will your experiment show?
Procedures	Step by step method for conducting the experiment
Materials	Exact amounts of every material or equipment used
Experimentation	Conducting the experiment
Data	Charts, Graphs, Raw data from the experiment
Conclusion	Did the experimentation prove your hypothesis correct? Did you have any problems with the experiment? Would you do the test differently if you could do it again?
Application	How could this experiment be applied in the real world?

Necessary Forms

Elementary school – ISEF Abstract.

-Middle School –

All projects need: Form 1, Form 1A, Form 1B, and ISEF Abstract

Depending on what your child's project is they might be required to complete extra forms and follow different guidelines for safety.

Resources

- HAAS Science Fair Packet, Form 1A, and Form 1B:
 - www.hollywoodcharter.org/schoolinfo
- Broward County Science Fair information:
 - <http://www.browardscience.com/Fair.aspx>
- Forms:
 - <http://www.societyforscience.org/isef/document>
- International Science and Engineering Fair Rules and Guidebook:
 - www.societyforscience.org

Remember...

The objective of a science project is to learn more about science.

Your child's project does not need to be highly complex to be successful.

Question/Answer

Available until 6pm

Ms. Critser – Science Renaissance & Science Fair Coordinator

ccritser@hollywoodcharter.org

Mrs. Garreau-Jones – 8th Grade Science

cgarreau@hollywoodcharter.org

Ms. Green – 7th Grade Science

kgreen@hollywoodcharter.org

Ms. Sessa – 7th Grade Science

asessa@hollywoodcharter.org

Ms. Brazeal – 6th Grade Science

cbrazeal@hollywoodcharter.org

Mrs. Oldershaw – 5th Grade Science

soldershaw@hollywoodcharter.org