

Dear 4th and 5th grade students,

You are invited to take part in the 19th Annual Chatham Park Elementary Science Fair on Thursday, May 25th, 2023 from 7pm to 9pm. The fair is a great way to explore science in a fun and interesting way and learn how to think like a real scientist!

Participation is completely voluntary. Your project can be about ANY kind of science that interests you such as biology, chemistry, engineering, geology, physics, etc.. It can be in the form of an experiment or a report. It should not be costly (typically under \$10). We will provide free display boards for all participants and most projects involve materials found around the home. You may choose to do a project by yourself or with a friend from the same grade.

We will also be having a **Science Fair Poster and Program** design contest. An original science-based drawing will be selected and printed on posters that will be placed around the school and used as the cover art for the Science Fair Program

Important Dates:

Thursday March 30th, 5:30-7:30PM @ CPE: Optional opportunity to meet with scientists from our community to discuss your project ideas.

Spring Break – This is a great time to start to plan or even begin your project if you are ready.

Monday April 10th, 5:30-7:30PM @ CPE: Optional opportunity to meet with scientists from our community to discuss your project ideas.

Friday, April 21st: Project proposal due via online form (we will send out the link that week)

Friday, April 28th: Artwork designs due (these will be handed in at CPE)

Friday, May 5th: – Receive your free science fair display board at school

Thursday, May 25th:

8:30 AM	Students bring in their posters to school
6:45 PM	All participants arrive (Posters will already be set up)
7pm to 8:30 PM	Present your project to science fair visitors and judges
8:30 to 9:00 PM	Closing ceremony

If you have any questions, please contact us at cpe.hasa.sciencefair@gmail.com

Sincerely,

Amy Shubert and Jonathan Fingerut

SAMPLE IDEAS

Your topic can be about ANY type of science. There are lots of good resources on the Internet to help you come up with your idea. Here are some sample links:

www.sciencebuddies.org

www.sciencefair-projects.org

www.discoveryeducation.com

www.ipl.org/div/projectguide

<http://faculty.washington.edu/chudler/neurok.html> (Neuroscience for Kids)

Follow your interests and brainstorm ideas of your own! Here are examples to see the kinds of projects you can do:

Experiments:

Optical illusions: Who sees faster – boys or girls?

Fertilizers and plant growth

Is most people's dominant eye also the one that sees better?

Does music affect concentration?

How do design changes affect the function of a catapult?

What factors affect yeast growth?

Reports and Demonstrations:

How do spiders spin their webs?

Do a report on bee behavior.

Build a robot.

How do gears work?

Do a report on the language ability of apes or parrots.

STEPS TO PREPARE A SCIENCE FAIR PROJECT

1. Choose a topic.

Read!! Ask questions!! Think about something you are interested in!

2. Gather background information.

This step is very important. Gather information from people, books, magazines, the library, and the Internet. Keep notes on what you find.

3. Decide whether you want to do an experiment* (in which you collect data) or a report, model or demonstration.

4. Obtain the information and materials you will need.

Don't wait until the last minute!!!

5. Construct a display (see "Sections of a Science Project").

It has to be neat, but it does not need to be typed. Make it fun!

6. Practice your 1-minute presentation.

Be prepared to briefly explain your project to Science Fair judges and visitors.

7. Come to the Fair on May 25th and have fun! Even if you choose not to participate, come cheer on your friends.

***NOTE: For Science Fair experiments:** Tips on how to use the "Scientific Method" will be offered when you meet with your science fair coach.

2023 Science Fair Poster Illustration Contest

ENTRY DEADLINE: FRIDAY, APRIL 28th

We're holding a **black-and-white**, science-themed contest for the 2023 Chatham Park Science Fair Posters and program.

The winning entry will be chosen based on originality and how well the drawing will look on a large poster.

The winner will see their illustration displayed throughout the school and on the front cover of the Science Fair program.

Eligibility:

All 4th and 5th grade students at Chatham Park are eligible to enter. Students may submit more than one illustration, but each must be on a separate piece of paper.

Contest Guidelines:

- Illustrations should be no larger than 8" x 10", vertically oriented
- All entries must be in **BLACK INK on WHITE PAPER**. No color, please.
- Simple designs generally look better and are easier to print.
- Use **BOLD LINES**—thin lines do not transfer well to larger poster designs.
- Digital and hand-drawn entries are acceptable
- Put your name on the **BACK** of the entry, not in the design.
- You do not have to include words. These can be added later.
- Deliver your illustration to Ms. Cohan by **Friday, April 28th**

Illustrations can be picked up in the Art Room after the contest is over and a winner is selected in Mid-May. Please contact Ms. Cohan, Amy Shubert or Jonathan Fingerut if you have any questions.