



CENTRAL JERSEY COLLEGE PREP
CHARTER SCHOOL
17 SchoolHouse Rd, Somerset, NJ 08873

Dear Parents,

1/25/10

Your child will be participating (mandatory for all middle school) in Central Jersey College Prep Charter School Science Fair on Feb 27th 2010, an exciting event that encourages students to think like young scientists. During the next few weeks your child will be designing a science project that uses the scientific method to solve a problem. We hope you agree that the educational benefits are numerous, as students develop skills in writing, oral presentation, creative thinking, and problem solving.

Each student will be given instructions and handouts during class for the various steps of his or her project. Most of the work will be completed at home, and students will receive a weekly calendar noting due dates for each part of the project. For suggestions on helping your child through this process-from choosing a topic to the final report-see various web sites, such as

<http://www.all-science-fair-projects.com>

<http://school.discovery.com/sciencefaircentral/>

<http://www.sciencebuddies.org>

Prizes will be awarded to top three projects for each grade.

We ask that you encourage your child and monitor his or her progress along the way. Your support is the key to a successful project, but please do not allow your involvement to extend any further in order to assure equity and promote student learning! Guide your child whenever and wherever you can, but let the final project reflect your child's individual effort and design. Please read the Science Fair Guidelines with your child posted online and sign the necessary forms. These forms should be returned. Let us know if you'd like more information on creating a successful science fair project. If you have any questions, do not hesitate to contact us.

All displayed projects will be judged and graded by Science Fair Committee.

Sincerely,

Science Fair Coordinator

Kasim Biyikli, Erdal Yilmaz and Anastasia Plasket

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SAFETY GUIDELINES

Central Jersey College Prep follows all rules and requirements specified by most of the national science and engineering fair competition organizations. Students should obtain approval for the projects include biological cultures, chemicals, fire, and radiation. All students should return Science Fair Safety Form.

The exhibits **must not** include any of the following:

1. Microbial cultures or fungi, live or dead (no rotten or moldy stuff either!) Try photographs instead.
2. Displays of live animals.
3. Preserved vertebrate animals, whether whole or their parts (this includes humans). Teeth, hair, nails, and histological sections are permissible if properly acquired and form is filed.
4. Photographs showing vertebrate animals in any non-normal condition.
5. Open or concealed flames, matches, or lighters.
6. Dangerous chemicals, including caustics, acids, and many household chemicals.
7. Highly combustible solids, fluids, or gases. (No rocket engines!)
8. Controlled substances.
9. Radioactive materials.
10. Operating lasers.
11. Anything potentially hazardous to the public.

Special care must be given to the following:

12. High temperature.
13. Batteries. (Open top cells are not permitted.)
14. High voltage equipment must be shielded with a grounded metal box or cage to prevent accidental contact. Wiring, switches, and metal parts must be located out of reach.
15. Electric circuits for 110 volts AC must have an underwriters laboratories approved card equipped with a grounded (3 pronged) plug. Exhibits are limited to 300 watts.
16. All wiring must be properly insulated.
17. Bare wire and exposed knife switches are permissible only in low voltage, low current circuit of 12 volts or less.
18. Electrical connections in 110 volt circuits must be soldered or fixed with approved connectors.
19. Devices emitting ultraviolet light must be equipped with the proper filters for eye protection.



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SCIENCE PROJECT SAFETY FORM (This form is necessary for all students)

Student's Name : _____

Grade : _____

Parent/Guardian Name : _____

Phone Number : _____

- If a science project involves vertebrate animals, human subjects (including surveys), controlled substances and pathogens, recombinant DNA, tissues including blood, cell cultures, microorganisms, environmental sampling, or potentially dangerous chemicals or equipment; you need approval from the Science Fair Committee.
- All bacteria, fungi, etc. should be considered potentially pathogenic.
- Air, water, mud and soil samples may contain pathogens or hazardous materials.
- Learn about animal safety measures if working with animals. Pet store animals may not be used for any type of research.
- Surveys should not involve violation of privacy act or potential risk.
- Consumable alcohol and tobacco products and drugs must be obtained by and used by adult project supervisor.
- If using equipment that has voltage greater than 220 volts, firearms, radioactive substances and radiation, you need to review the proper safety standards before experimentation.
- The starting date of project is when approved. No student can begin until they receive approval from their parents and teacher.

Student Acknowledgement:

I understand the risks and possible dangers to me of the project I will be working on. I will adhere to all CJCP Science Fair rules when conducting my research and project.

(Student's Printed Name)

(Signature)

(Date)

Parent/Guardian Approval:

I have read and understand the risks and possible dangers involved in a science fair project. I consent to my child participating in a research project.

(Parent/Guardian's Printed Name)

(Signature)

(Date)