

SCIENCE FAIR, 2025 - 2026

PLANNING PACKET

ARCHIMEDEAN MIDDLE CONSERVATORY



You must print out the next page and turn it in on 09/02/25 for FULL CREDITS

Your Name:

Class Section:

THIS PAGE IS DUE ON: 09/02/25

PROBLEM STATEMENT: THE QUESTION BEING EXPLORED IN THE EXPERIMENT

Directions: Write out your problem statement for this year's Science Fair Project on the lines below.

Problem Statement Self-Grading Checklist: Check the box if your problem statement meets the criteria being described.

- The problem statement shows what different groups will be compared
- The problem statement shows what measurements will be made

PROJECTS/ TOPICS THAT ARE NOT ALLOWED:

- No bacteria, live cultures, humans, or animals
- No explosive projects/ launching rockets (alka-seltzer, soda, etc)
- No dangerous or harmful substances (fire, strong acids)
- Projects must have a reasonable application

Students, please check with your parents/guardians to make sure they are OK with the project you are choosing!

FOR TEACHER USE: IS THIS PROJECT APPROVED?

YES / NO



Remember you must print it out!

You may use any of the ideas below for your science fair project, or you may choose your own.

TOPIC: CHEMISTRY

- Do all red flowers have the same pigments/ chemicals that produce color?
- Are different brands of black markers made with the same color pigments?

TOPIC: EARTH AND ENVIRONMENTAL SCIENCES

- Which filtering method for water is best?
- Can pH affect the erosion of concrete buildings?
- Does salt water cause more soil erosion than freshwater?
- How does water quality compare at different Miami beaches?
- How do plants influence soil erosion?
- How does pH affect the erosion of rocks?
- What conditions are best to grow Florida native plants?

TOPIC: ENGINEERING

- What is the best material to put in a sandbag to prevent flooding?

TOPIC: PLANT SCIENCES

- What organic farming method is best to keep pests away?
- How often should one add compost when growing vegetables?
- What are the effects of hydrogen peroxide on the roots of plant cuttings (or seed germinations?)
- What is the best method to germinate Florida native seeds?
- Does temperature affect the growth rate of shoots on a potato?

Suggested websites

1. <https://www.sciencebuddies.org/>
2. <https://www.education.com/resources/science/engineering-science-inquiry/science-projects/>
3. <https://sciencebob.com/science-fair-ideas>



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