

Woodriver Elementary Science Fair Packet 2026

Synopsis

Attached are the Science Fair handouts to participate in Woodriver's Science Fair. Please **complete the attached entry form** and return it to the envelope at the front office. The deadline to register for Woodriver's Science Fair is **Friday, February 6th**. It is imperative that the **ENTIRE entry form is completed** before submitting it.

Please visit Woodriver's Science Fair website: wolfpups.org/science-fair.html

What is the Science Fair?

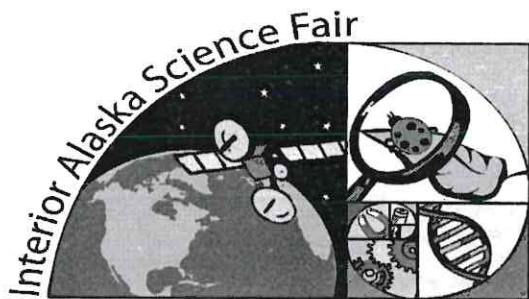
The Science Fair is an opportunity for students to explore a science topic of interest and share what they learned with other students, teachers, and the community. All participants will share the results of their learning by creating a tri-fold display board. Please see the attachments for details. Judges from the community will carefully review each presentation and interview the students about their projects.

Who Can Enter?

All Woodriver students are encouraged to participate. They may enter as individuals, small groups, a whole class, or as a family, which is recommended for younger students. All entries, except for the family option, should be primarily completed by the student(s), with minimal parental support. Small group projects should include two to four students. The students do not need to be in the same grade or class. This is an excellent way for siblings to create a project together. Teachers will decide if their entire class will complete a class Science Project together. The family option may include any number of family members if one or more participants are Woodriver students.

What Are the Rules?

1. Participants may enter as many projects as they choose; however, each project should be separate and unique. Parents or teachers may assist, if necessary; however, the judges will be looking for what the students learned. The students are responsible for setting up their project before school (8:30 to 9:15 AM) on **Thursday, February 26th**, and removing their project, after school, on **Friday, February 27th**.
2. None of the projects may include any form of hazardous materials. Rocketry is permitted; however, the model rocket must be non-working (i.e. no ignition system).
3. Electricity will be made available, as needed. Safety procedures must be followed.
4. Students should take precautions to use safety goggles and equipment, as necessary, to complete their experiments, under direct adult supervision.
5. Students **must credit their sources of information** through the creation of a bibliography, works cited, or references display. Plagiarism will not be tolerated.



Interior Alaska Science Fair

Entry Guidelines & Information

Eligible students: Students in grades K-8, who are selected by a participating school, may display projects in the Interior Alaska Science Fair. Students may enter more than one project.

Eligible schools: Any school from Interior Alaska may participate. Participating schools are given a quota of projects, based upon total student enrollment.

Animals: No live vertebrate animals may be exhibited. Photos or illustrations are recommended instead.

Hazardous materials: Hazardous materials, such as bacteria, unsealed Petri dishes, open flames, or dangerous chemicals may not be exhibited. Photos or illustrations are recommended instead.

Potential hazards: Exhibits containing blades, batteries, motors, exposed electrical wire, or chemical mixtures must be checked by a display monitor for potential fire and safety hazards at the time of display setup.

Liquids: All containers of liquid (vases, jars, pools, etc) must be protected against leakage and spillage to the maximum extent possible. Where lids are not feasible, due to items that project from the top of a container (straws, stems, etc.), use plastic wrap to cover the opening.

Judging: Judges will be looking for student understanding of the project. The display should be easily understood and self-explanatory. **The project should use scientifically sound research, following the scientific method, if appropriate--hypothesis, procedures, observations, data, conclusions.** Creativity and neatness will also be considered. **Resources and help received from adults should be documented on the project.** Links to the actual judging forms can be found at <https://www.k12northstar.org/departments/teaching-learning/parent-student-information/student-events/alaska-science-fair>

Repetition: Experiments should be repeated more than once. **To receive a blue ribbon, the experiment must be repeated three times.** Following the school fair, projects may be improved or modified.

Size requirements: Exhibits should be as compact as possible, not to exceed 2 ft. front to back, 3 ft. side to side, and 6 ft. top to bottom. Smaller is better.

Electricity: If a project requires electricity, an extension cord will be needed, labeled with the exhibitor's name.

Web Site: Additional information is available <https://www.k12northstar.org/departments/teaching-learning/parent-student-information/student-events/alaska-science-fair>

Group Projects: Group projects submitted by small groups (1-3 students), large groups (more than 3 students), classes, or families are eligible for entry. Each student in a small group project (1-3 students) will receive a certificate, a ribbon, and a T-shirt. Larger groups will receive pencils and a group certificate. Due to space considerations, only 2-3 students may attend the judging for class projects.

Community Awards: In addition to the awards presented by the Science Fair, awards will be presented by a variety of community organizations. These groups determine their own categories, judging, and means of recognition and their awards are presented at the Doug Schamel Awards Ceremony on Saturday.

Doug Schamel Awards Ceremony: Recipients of awards presented at the Doug Schamel Awards Ceremony will be notified by email the day before the ceremony. Be sure an email is on the entry form.

Alaska Science and Engineering Fair: Those wishing to enter projects in the Alaska Science and Engineering Fair in Anchorage may download the necessary forms and guidelines at www.alaskasciencefair.org.

PROJECT CATEGORIES

Once your child decides on a topic for a science fair project, the next step is to discuss which of the following categories is most appropriate for what he/she would like to do. It's important to decide this at the beginning, because there are specific requirements and judging for each category. Knowing these guidelines will help the student structure and organize the project for a successful science fair experience!

1. Scientific Experiment

- a way of answering a question using the "scientific method"
- ask a question
- state your hypothesis (a guess at the answer)
- design an experiment to test your hypothesis
- collect the data
- be sure to **replicate** at least 3 times
- present your results, usually in table and/or graph form
- state your conclusions - do the results support your hypothesis or not?

2. Demonstration of a Scientific Principle

- explore a scientific principle and share your knowledge with others
- best to focus on one principle and use several ways to illustrate it
- the best demonstrations include a model to demonstrate the principle
- should also include drawings, photos, and other visual aids

3. Scientific Collection

- collection of items of scientific interest, e.g. shells, minerals
- collection must be well organized and specimens correctly identified
- should include background research/information
- may include a logbook or journal for additional information

4. Original Computer Program

- original program using any computer language
- examples: graphics or math demonstration, game, utility program
- identify purpose of program
- include display board?
- printout of code?
- program should be run smoothly and require no special skills to use

5. Invention or Innovation

- a useful object that has never been made before (invention)
- a new service or process, or an improvement to something (innovation)
- begins with a "need" or problem to solve
- project must include an Inventor's Notebook (log of progress towards invention)

6. Illustrated Science Report

- research on a scientific topic that doesn't fit any of the other categories
- often a topic that is impractical for an experiment or demonstration
- examples: lions, Ebola virus, subatomic particles
- needs to include extensive research, expressed in student's own words and original illustrations
- this can be on paper or electronic format
- must also include a display board with visual aids such as pictures, charts, etc.

Wolfpups.org/science-fair.html

Mr. Kinder's Class Website

Please visit for project ideas and resources.

- HOME
- CLASSES
- POWERSCHOOL
- SCIENCE FAIR
- STEM
- STANDARDS
- CONTACT
- EAST
- MORE...

Woodriver Science Fair

Welcome to Woodriver Elementary's Science Fair website.

This site contains copies of all the Science Fair handouts and links to some of the best Science Fair website project ideas on the web.

Please explore these sites to find the perfect Science Fair project.

Woodriver's annual Science Fair will be held on February 26th and 27th, 2026.

The students will create a traditional display board.

[Click here for the invitation letter.](#)

[Click here for the Science Fair packet.](#)

Each participant will receive a certificate, participation ribbon, and a button.

Winners will be selected in each category and they will receive ranked ribbons.

Please visit the district website for details on the regional Science Fair and scoring rubrics. The interior Alaska Science Fair will be held March 18th to 21st, 2026.

Please visit this website to learn how to create a Science Fair project.

[Science Fair Project Ideas](#)

[Science Fair Handouts](#)

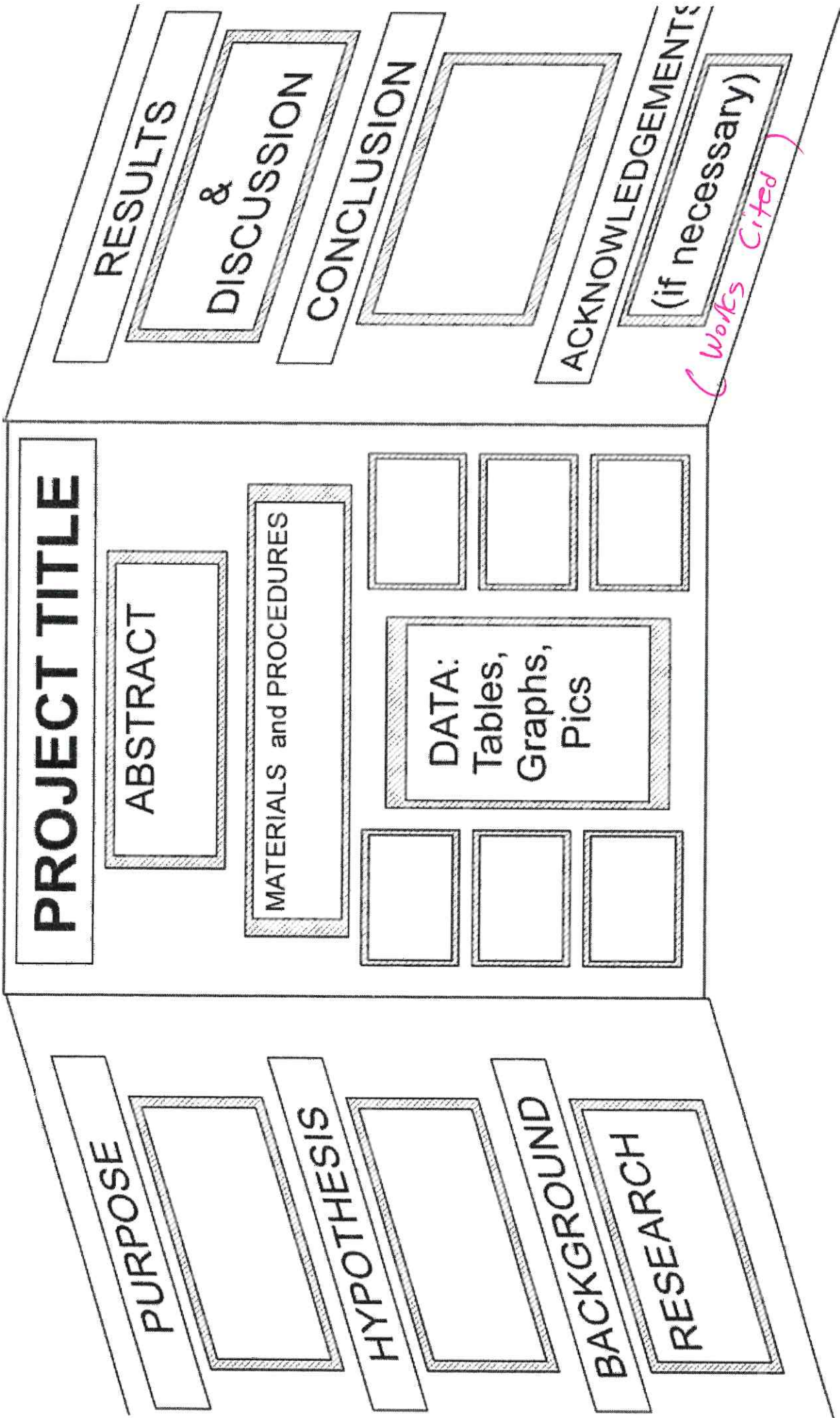
[Home Training Tools](#)

[Woodriver's Science Fair](#)

[Invitation Letter](#)

[Education.com](#)

Simple display board layout




Sample layout #2

Problem/ Purpose
State the problem
you meant to solve.

Project Title
by
Your Name

Results
What did you learn
from your work?
Explain your data.

Hypothesis
State your
hypothesis.

Data & Graphics

Display your data and
pictures in this area.

Graphics are very
effective for explaining
results.

Conclusions
Was your hypothesis
right or wrong? Can
you make a new one?

Procedures
Explain the
experiments you did.
What? How? Why?

Recommendations
From what you
learned, would you
try anything new?

^^ Science Fair Board Layout ^^
Experimental Project

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* Please include references



Interior Alaska Science Fair

** Please complete the entire form and write clearly (especially the email address)*
STUDENT ENTRY FORM

When completed, return this form to the School Science Fair Coordinator.

IMPORTANT: Please include email & phone, as this is how parents are notified if a student will be recognized with an award.

STUDENT/S: _____

PARENTS: _____ PHONE/S: _____

EMAIL: _____

SCHOOL: _____ GRADE: _____ TEACHER: _____

PROJECT TITLE: _____

CHECK ONE ONE STUDENT SMALL GROUP

TOPIC: (Place a check beside the appropriate topic. Mark only one.)

- | | |
|---|--|
| <input type="checkbox"/> AN Animals/Wildlife | <input type="checkbox"/> EN Engineering |
| <input type="checkbox"/> PH Physics | <input type="checkbox"/> MA Mathematics/Coding |
| <input type="checkbox"/> AS Astronomy/Space Science | <input type="checkbox"/> ES Earth Science/Plants |
| <input type="checkbox"/> HB Human Biology | <input type="checkbox"/> CH Chemistry |
| <input type="checkbox"/> MB Microbiology | <input type="checkbox"/> CS Consumer Science |
| | <input type="checkbox"/> SS Social Science |

CATEGORY: (Place a check beside the appropriate type of display. Mark only one.)

- | | | |
|---|--|--|
| <input type="checkbox"/> Experiment | <input type="checkbox"/> Demonstration | <input type="checkbox"/> Science Report |
| <input type="checkbox"/> Science Collection | <input type="checkbox"/> Invention | <input type="checkbox"/> Computer Coding |

I have read the guidelines for the Interior Alaska Science Fair and will comply with them. Please submit forms to interioralaskascience@gmail.com or bring them with you when you bring your project to Pioneer Park.

If you do not want your student to be in a photographed or interviewed (News and Social Media) Initial here _____

Do you need access to electricity? Yes No

Student(s) Signature

Parent Signature

Signatures are required