

Science Fair 2025

Date: Tuesday, April 29 at the Will Rogers Cafeteria

ALL projects must be turned in by 8:00 a.m. on Tuesday, April 29 in your student's classroom.

Our Science Fair will be during the school day, with the opportunity for parents to view projects that evening between 5-7 pm. (We will begin taking the projects at 7:00pm and moving them to the science lab; you can take them home that night (anytime) or pick them up the next day, Wednesday, April 30th, in the student's classroom)



Students, you are invited to submit a project at this year's science fair! Although the science fair is optional for all grades, all interested students are encouraged to participate in a project. Projects must be completed outside of school, but ask your teacher if you need help.

Website: sciencebuddies.org is the **best website** that helps students and parents prepare and has lots and lots of ideas and examples for engineering, experimentation, and research projects. Go ahead and use one or redesign one and make it original! There are three categories to choose from:

- **Experiment (K-5th grade):** Use the scientific method to design an experiment that tests your question!
- **Engineering (K-5th grade):** Use the engineering design process to build or create something new, or redesign something to improve it and solve a problem.
- **Research (K-3rd only):** Choose a Science, Technology, or Engineering topic that interests you, and find out more about it!



There will be three grade/grouping levels to qualify

- Kindergarten and First Grade
- Second and Third Grade
- Fourth and Fifth Grade
- Students can work individually or in groups of no more than three. Members of the mixed-grade group must be K-1, 2-3, or 4-5. No group can have (for example) a 1st grader with a 3rd grader.
- Once you have an idea, ask your teacher or librarian for a project proposal/entry form for each member. **Fill out your project proposal** and **show it to your teacher, who will review it with you.** Then you take it with you to the science lab or library to **officially get entered in the science fair** and receive a free science fair display board. **LAST DAY to enter the science fair is TUESDAY, APRIL 22, 2025!**
- Sometimes there are several proposals submitted by WR students that are exactly the same. For example, a volcanic research project or an egg-drop engineering project usually has at least 4 or 5 entries. **Only the first three papers submitted will be accepted**, any student who attempts to submit after the third proposal will be asked to do some other project.

On the day of the science fair, projects will be scored by judges throughout the school day. Students should be ready to present their projects to the judges during the morning of the science fair. (Practice explaining your project at home before April 29th) After speaking with the judge, bring any valuables from your exhibit to your classroom. Once grading is complete, all classrooms will have the opportunity to take a quick tour to see all the projects. Projects will be left on display between 5 and 7:00 p.m. that night if parents wish to see the entire Science Fair.

Feria de las Ciencias 2025

Fecha: Martes 29 de abril en la Cafetería Will Rogers

TODOs los proyectos deben entregarse antes de las 8:00 a.m. del martes 29 de abril en el salón de clases de su estudiante.

Nuestra Feria de Ciencias será durante el día escolar, con la oportunidad para que los padres vean proyectos esa noche entre las 5 y las 7 pm.

(Comenzaremos a tomar los proyectos a las 7:00 p.m. y moverlos al laboratorio de ciencias; puede llevarlos a casa esa noche (en cualquier momento) o recogerlos al día siguiente, miércoles 30 de abril, en el salón de clases del estudiante)



¡Estudiantes, están invitados a presentar un proyecto en la feria de ciencias de este año! Aunque la feria de ciencias es opcional para todos los grados, se anima a todos los estudiantes interesados a participar en un proyecto. Los proyectos deben completarse fuera de la escuela, pero pregúntale a tu maestro si necesitas ayuda.

Sitio web: sciencebuddies.org es el **mejor sitio web** que ayuda a los estudiantes y padres a prepararse y tiene montones y montones de ideas y ejemplos para proyectos de ingeniería, experimentación e investigación. ¡Anímate a usar uno o rediseña uno y hazlo original! Hay tres categorías para elegir:



- **Experimento (K-5° grado):** ¡Usa el método científico para diseñar un experimento que pruebe tu pregunta!
- **Ingeniería (K-5° grado):** Utilice el proceso de diseño de ingeniería para construir o crear algo nuevo, o rediseñar algo para mejorarlo y resolver un problema.
- **Investigación (solo K-3°):** Elija un tema de Ciencia, Tecnología o Ingeniería que le interese, ¡y obtenga más información al respecto!

Habrán tres niveles de grado/grupación para calificar

- Kindergarten y Primer Grado
 - Segundo y Tercer Grado
 - Cuarto y Quinto Grado
- Los estudiantes pueden trabajar individualmente o en grupos de no más de tres. Los miembros del grupo de grado mixto deben ser K-1, 2-3 o 4-5. Ningún grupo puede tener (por ejemplo) un estudiante de 1er grado con un estudiante de 3er grado.
- Una vez que tengas una idea, pídele a tu maestro o bibliotecario una propuesta de proyecto/formulario de inscripción para cada miembro. **Rellena tu propuesta de proyecto y muéstrasela a tu maestro, quien la revisará contigo.** Luego, lo lleva contigo al laboratorio de ciencias o a la biblioteca para ingresar oficialmente a la feria de ciencias y recibir un tablero de exhibición gratuito de la feria de ciencias. **¡El ÚLTIMO DÍA para ingresar a la feria de ciencias es el MARTES 22 DE ABRIL DE 2025!**
- A veces hay varias propuestas presentadas por los estudiantes de WR que son exactamente iguales. Por ejemplo, un proyecto de investigación volcánica o un proyecto de ingeniería de huevo puede tener al menos 4 o 5 entradas. **Solo se aceptarán los tres primeros trabajos presentados**, cualquier estudiante que intente presentar después de la tercera propuesta se le pedirá que realice algún otro proyecto.

El día de la feria de ciencias, los proyectos serán calificados por los jueces a lo largo de la jornada escolar. Los estudiantes deben estar listos para presentar sus proyectos a los jueces durante la mañana de la feria de ciencias. (Practica explicando tu proyecto en casa antes del 29 de abril) Después de hablar con el juez, lleve los objetos de valor de su exhibición a su salón de clases. Una vez que se complete la calificación, todas las aulas tendrán la oportunidad de realizar un recorrido rápido para ver todos los proyectos. Los proyectos se dejarán en exhibición entre las 5 y las 7:00 p.m. esa noche si los padres desean ver toda la Feria de Ciencias.

Science Fair Project Proposal/Entry Form (attach more paper if needed)

Science Fair Entry Deadline is April 22, 2025!

I am working:

☐ By myself (individual)

☐ In a group (no more than 3 students) - each group member fills this out, staple them together, and give to one teacher to review and sign.

First and Last

Name: _____

Grade: _____

Teacher: _____

Select one category: ☐Experiment ☐Engineering ☐Research (K-3rd Only)

Describe your project in 2-3 sentences.

Experiment: What experiment are you planning? How will you test it and collect data?

Engineering: What are you going to build? What will it do?

Research: What topic are you going to research? What questions do you have about that topic?

What materials will you need?

How will you record and/or display your results?

***Teacher Approval Signature: _____

Take this directly to the library or science lab to be entered into the science fair and get your display board. It needs to be entered by April 22 at the latest!

Formulario de Propuesta/Inscripción de Proyecto de la Feria de Ciencias

(adjunte más documento si es necesario)

¡La fecha límite de inscripción a la Feria de Ciencias es el 22 de abril de 2025!

Estoy trabajando:

☐ Por mí mismo (individual)

☐ En un grupo (no más de 3 estudiantes) cada miembro del grupo llena esto, los engrapa juntos y

Entrégueselo a un maestro para que lo revise y firme.

Nombre y

apellido: _____

Grado: _____

Maestro: _____

Seleccione una categoría: ☐ Experimentos ☐ Ingeniería ☐ Investigación (K-3rd Solamente)

Describe tu proyecto en 2-3 frases.

Experimento: ¿Qué experimento estás planeando? ¿Cómo lo probará y recopilará datos?

Ingeniería: ¿Qué vas a construir? ¿Qué hará?

Investigación: ¿Qué tema vas a investigar? ¿Qué preguntas tienes sobre ese tema?

What materiales vas a necesitar?

¿Cómo registrará y/o mostrará sus resultados?

***Firma de aprobación del maestro: _____

Lleva esto directamente a la biblioteca o al laboratorio de ciencias para que lo ingresen a la feria de ciencias y obtengas tu tablero de exhibición. ¡Debe ingresarse a más tardar el 22 de abril!

ENGINEERING CATEGORY RUBRIC 2025

Scoring:

	Very Poor ←	Average	→ Outstanding
	1 - 3 points	4 – 7 points	8 – 10 points
Engineering Design Process	Question/Problem is missing, not clear, or unanswerable Design Plan is missing, impractical, vague, or incomplete Creation/Experiment is poorly crafted and does not suit the intended purpose or solve the problem, no results reported. Possible Improvements are missing or irrelevant	Question/Problem is somewhat clear, answerable Design Plan is practical and includes details, but may have some flaws Creation/Experiment is crafted relatively well, suits its intended purpose, and is somewhat able to solve the problem. Results are reported. Possible Improvements are explained	Question/Problem is specific, very clear, and answerable Design Plan is practical, creative, and includes many specific details Creation / Experiment is crafted very well, suits its intended purpose, and solves the problem. Results are clearly reported. Possible Improvements are explained in detail.
	1 or 2 points	3 points	4 or 5 points
Display Board	Very messy , titles and words are hard to read , very disorganized , no attention to detail, does not communicate project well	Somewhat neat , titles are words are mostly easy to read and see , somewhat organized , some good visuals , minor attention to detail , satisfactorily communicates project	Very neat , titles and words are easy to see and read , the poster is very organized , outstanding visuals , significant attention to detail , communicates project very well
	1 or 2 points	3 points	4 or 5 points
Creativity, Effort, & Originality	Project shows a low amount of creativity and effort	Project shows a medium amount of creativity and effort	Project shows a very high amount of creativity and effort
	1 or 2 points	3 points	4 or 5 points
Presentation	Student is mostly unable to explain project or answer questions from the judges.	Student is mostly able to explain project or answer questions from the judges, perhaps with some prompting.	Student is able to fully explain project in detail , and thoroughly answer questions from judges.

Total Number of Points Possible = 25 points.

Half scores are permitted (ex: 2.5)

Each project will be scored by 2 separate judges. If you are the last person to judge, please add up the total of both scores.

In the event of a tie, the project will be scored by an additional judge.

EXPERIMENT CATEGORY RUBRIC 2025

Scoring:

	← Very Poor	Average	Outstanding →
	1 - 3 points	4 - 7 points	8 - 10 points
Scientific Process	Question/Problem is not clear or unanswerable Hypothesis not present or does not address question Procedure does not test hypothesis, is not clear or detailed, and makes very little sense Data is not clear, appears inaccurate, with little to no use of photos, charts, and/or graphs to display data Conclusions are not supported by the data	Question/Problem is somewhat clear, answerable Hypothesis is conceivable and somewhat addresses the question Procedure tests the hypothesis, is somewhat detailed, but might not be very clear or easy to repeat Data is somewhat clear, appears mostly accurate, with average use of photos, charts, and/or graphs to display data Conclusions are mostly supported by the data	Question/Problem is specific, very clear, and answerable Hypothesis is conceivable and addresses the question very clearly Procedure legitimately tests the hypothesis, is detailed, clear, and easy to understand and repeat Data is very clear, appears accurate, with excellent use of photos, charts, and/or graphs to display data Conclusions are thorough and clearly supported by the data
	1 or 2 points	3 points	4 or 5 points
Display Board	Very messy , titles and words are hard to read , very disorganized , no attention to detail, does not communicate project well	Somewhat neat , titles are words are mostly easy to read and see , somewhat organized , some good visuals , minor attention to detail , satisfactorily communicates project	Very neat , titles and words are easy to see and read , the poster is very organized , outstanding visuals , significant attention to detail , communicates project very well
	1 or 2 points	3 points	4 or 5 points
Creativity, Effort, & Originality	Project shows a low amount of creativity and effort	Project shows a medium amount of creativity and effort	Project shows a very high amount of creativity and effort
	1 or 2 points	3 points	4 or 5 points
Presentation	Student is mostly unable to explain project or answer questions from the judges.	Student is mostly able to explain project or answer questions from the judges, perhaps with some prompting.	Student is able to fully explain project in detail , and thoroughly answer questions from judges.

Total Number of Points Possible = 25 points.

Half scores are permitted (ex: 2.5)

Each project will be scored by 2 separate judges. If you are the last person to judge, please add up the total of both scores.

In the event of a tie, the project will be scored by an additional judge.

RESEARCH CATEGORY RUBRIC 2025 (This category is for K-3 only)

Scoring:

	← Very Poor	Average	Outstanding →
	1 - 3 points	4 – 7 points	8 – 10 points
Research Process	Research Topic is not clear or is vague. Only includes 1-3 Research Questions with Answers that are vague, incomplete, or incorrect. Research Questions and Answers are unclear, missing, or irrelevant to topic. Citations are not included.	Research Topic is clear. Includes 3-5 Research Questions with Answers that are complete and correct, with adequate supporting details. Research Questions and Answers are clear and relevant to the topic. Citations are included.	Research Topic is specific and clear. Includes 5-7 Research Questions with Answers that are complete and correct, with many supporting details. Research Questions and Answers are very clear and relevant to the topic. Citations are included.
	1 or 2 points	3 points	4 or 5 points
Display Board	Very messy , titles and words are hard to read , very disorganized , no attention to detail, does not communicate project well	Somewhat neat , titles are words are mostly easy to read and see , somewhat organized , some good visuals , minor attention to detail , satisfactorily communicates project	Very neat , titles and words are easy to see and read , the poster is very organized , outstanding visuals , significant attention to detail , communicates project very well
	1 or 2 points	3 points	4 or 5 points
Creativity, Effort, & Originality	Project shows a low amount of creativity and effort	Project shows a medium amount of creativity and effort	Project shows a very high amount of creativity and effort
	1 or 2 points	3 points	4 or 5 points
Presentation	Student is mostly unable to explain project or answer questions from the judges.	Student is mostly able to explain project or answer questions from the judges, perhaps with some prompting.	Student is able to fully explain project in detail , and thoroughly answer questions from judges.

Total Number of Points Possible = 25 points.

Half scores are permitted (ex: 2.5)

Each project will be scored by 2 separate judges. If you are the last person to judge, please add up the total of both scores.

In the event of a tie, the project will be scored by an additional judge.

**Score Sheet**

Grade: K-1 Category: Experiment
 2-3 Research
 4-5 Engineering

Judge Name	Scientific, Design, or Research Process (10 pts)	Display Board (5 pts)	Creativity, Effort, & Originality (5 pts)	Presentation (5 pts)	Total

Name(s)

Total Overall Score: _____

**Fair Score Sheet**Will Rogers Science

Grade: K-1 Category: Experiment
 2-3 Research
 4-5 Engineering

Judge Name	Scientific, Design, or Research Process (10 pts)	Display Board (5 pts)	Creativity, Effort, & Originality (5 pts)	Presentation (5 pts)	Total

Name(s)

Total Overall Score: _____