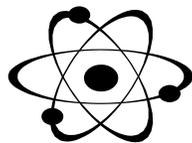


2020 SRD SCIENCE FAIR



Samuel R. Donald is proud to announce the **2nd Annual STEM Science Fair**, to be held on **January 31, 2020!** All SRD students in Grades 2 through 4 are invited to participate, and family members will be invited to see all of the projects during fair viewing hours (details to be announced).

Students may work by themselves or with one other partner in the same grade. Each grade level has a specific curriculum-based science theme:

- **Grade 2: Earth Science**
- **Grade 3: Life Science**
- **Grade 4: Physical Science or Inventions (Green Team- check details)**

Your child's teacher will have plenty of project ideas to suggest, and both the school library and the Bloomingdale Township Library have books specifically written about science fair projects. The internet is also a great resource for project ideas!

IMPORTANT:

- **Science Fair Proposal Form**...every child must submit a *signed* proposal to his/her teacher by **Friday, January 10th** (1 form per project). These can be downloaded from the SRD website, parent portal, or ask your teacher for a copy.



- **36" x 48" tri-fold display board**... required for every project. These are available at the dollar stores, Target, Walmart, Staples and Michaels. You can order them online as well.

Every student will be acknowledged for participating. We hope that with your encouragement and support, your child will enjoy participating in the fair with a project that will cultivate his/her interest in science. We look forward to providing this exciting experience for your young scientist!

If your child has any questions or concerns while preparing their proposals, please feel free to email Renee Giordano rgiordano@bloomingdaleschools.org.

Sincerely,

The Science Fair Committee

****More Information and proposal slips can be found on the SRD website and Parent Portal****

Science Fair Guidelines

General Guidelines*

- Students may work alone or with a partner in the **same grade** (different classes are ok).
- Work exhibited should be done by the student(s). Help from parents, teachers, or professionals is fine, but the student must do his or her own work.
- Project materials should not cost any more than \$50 to build/prepare.
- All projects must be approved by the Science Fair Committee.
- Due to limited space, the project must be no larger than the width of the display board (48”).
- Students are responsible for the setting up and removal of their projects. Set-up will be first thing on the morning of the fair, January 31, 2020 (students only, please).
- Projects must be taken home at the end of the day.
- There should be no “give-aways” distributed to students from project participants or stations ie: balloons, candy or other items.
- If a food item is included it may NOT be consumed by any student during the Fair

Safety Guidelines*

For the safety of all, the following elements will NOT be allowed:

- Projects requiring an electric outlet (battery power only)
- No latex balloons permitted or other latex products.
- No Live animals, including insects such as butterflies.
- Dangerous/caustic chemicals, drugs, or dry ice
- Food or drink meant for consumption at the science fair
- Use of heat, flame or explosives
- Sharp instruments, blades, glass or other hazardous objects

****We reserve the right to turn away any projects that do not meet all guidelines!***

******Display Guidelines can be found on the SRD website******

Science Fair Project Proposal Form



Please complete this form with your child and submit to his/her teacher
no later than January 10, 2020.



**Students working with a partner only need to submit this form once.*

Project Title _____

The question I intend to investigate/the project I intend to explore is:

Materials I plan to use: _____

- Does your project idea satisfy all of the science fair general guidelines?
- Does your project idea meet all of the safety guidelines?
- Do you have enough time to practice demonstrating your project at home before the science fair?

Sign me up! I am ready and willing to commit to my science fair project!

Student #1 name: _____ Class: _____

Student #2 name (if applicable): _____ Class: _____

Science Fair Permission Slip

I give my child permission to participate in the SRD Science Fair. I have read and understand the above guidelines with my child and believe he/she can follow through with the project. I plan to support my child and encourage him/her to complete the project independently.

Parent #1 Signature: _____ Date: _____

EMAIL ADDRESS: _____

Parent #2 Signature (if applicable): _____ Date: _____

Committee Review/Approval: _____ Date: _____

DISPLAY GUIDELINES

Grades 2, 3 and 4

Once you've asked your question, developed your project, conducted your experiment and recorded your results, you are ready to construct your display. A traditional science fair display board will organize your project highlighting the scientific method. Please organize your tri-fold display board according to the following guidelines:

[LEFT PANEL]	[CENTER PANEL]	[RIGHT PANEL]
Question	PROJECT TITLE	Results
Hypothesis	Data	
Experiment	(Illustrations/Photos)	
Procedure		Conclusion
Materials	(Graphs/Charts)	

Your time to shine!

Your project title and other headings should be neatly written and large enough to be read at a distance of 3 feet.

Don't forget your name and grade at the top of the board!

DISPLAY GUIDELINES

Grade 4 – Inventions- (Green Team Option)

Once you've asked your problem or need, developed a new invention (or improved upon an existing one), conducted your experiments and recorded your results, you are ready to construct your display. A traditional science fair display board will organize your project highlighting the scientific method. Please organize your tri-fold display board according to the following guidelines:

[LEFT PANEL]	[CENTER PANEL]	[RIGHT PANEL]
Problem or Need	PROJECT TITLE	Data/Chart/Graph
Hypothesis	Steps in Designing/Testing Invention	Results
Materials	Labeled Diagram of Invention	Conclusion
Project Summary	Pictures of Invention in Use	

Your project title and other headings should be neatly written and large enough to be read at a distance of 3 feet.

Don't forget your name and grade at the top of the board!

Grade 4 Green Team Theme

Design a project that would help our environment and the world we live in. You might select a problem in one of these areas (or add your own): a) Collecting trash b) Finding new uses for old items (repurposing) c) Food waste d) Electronics waste (phones, computers, etc.) e) Hazardous waste (medical, chemical, etc.) f) How trash impacts your community g) Landfills h) Making zero-waste products i) Recycling trash to create something new j) Energy usage and our environment

- After you select a problem, find out about the current solutions. Why aren't the current solutions working? Why does this problem still exist? (**Remember that no matter what problem you select, the materials you use for your project must be safe. For example: This means if you choose a problem/solution for hazardous waste, you can create a diagram, charts, model, etc. of something to solve the issue but you cannot use hazardous materials in your project**)
- Design an Innovative Solution to you the problem – a solution that adds value to society by improving, using something that exists in a new way, or inventing something totally new. Think about: a) What could be done better? What could be done in a new way? b) Could your solution make it more cool, fun, or easy to be responsible about trash? c) How can you reimagine disposing of trash to make it more efficient or safe? d) Could your solution prevent an item from becoming trash in the first place? Think of your problem like a puzzle. Brainstorm! Have you thought about how someone could make your solution a reality?
- Remember, your idea does not need to be completely new. Inventors often improve an idea that already exists or use something that exists in a new way.