

SOUTH ROW SCHOOL

2019 SCIENCE FAIR INFORMATION

DATE: Wednesday, February 27th, 2019 (Snow Date Thursday, February 28th)

TIME: 6:30 to 8:00 p.m.

WHO CAN PARTICIPATE: ALL South Row Students – Kindergarten through Grade 4

ABOUT THE FAIR: South Row Students are invited to create a science project and display it at the 11th Annual South Row Science Fair! This is a fun event intended to nurture the children's interest in science. There is no judging, but a science fair official will visit every project and talk to each child about their topic.

INFORMATION IS PROVIDED BELOW ABOUT THE FOLLOWING TOPICS:

- Basic Rules
- Registration Information
- Science Fair Project Guidance
- The Day of The Science Fair
- Curriculum Connections
- Contact Information for Parent Organizers:

BASIC RULES:

1. Students may work alone or in groups of 2 or 3. Students DO NOT have to be in the same grade to work together.
2. Students may choose any topic that meets the rules of the fair.
3. Displays should be no larger than about 3 feet wide by 2 feet deep due to space restrictions.
4. Project displays should not require connection to an electrical outlet (most project locations are not near an electrical outlet).
5. Any experiment must be safe for the student to perform at home and at the Science Fair.
6. No dangerous materials or tools are allowed at the Science Fair (fire, matches, power tools, etc.).
7. **NO FOOD** for sharing at the fair. Experiments with food are OK, as long as the experiments are completed at home. NO food can be shared during the science fair.
8. No live animals and living creatures of any sort can be brought to the fair. Animal reports work best with pictures of the subject.

REGISTRATION INFORMATION

- On-line registration will be available shortly after students return to school after winter break. An e-mail will be sent out once the link is active, and the link will also be on the South Row web page.

- If you are working with a partner(s) **each parent must register their child individually** and include the name of their child's partner(s).
- **The Registration Deadline is Friday, February 15th, 2019.**

SCIENCE FAIR PROJECT GUIDANCE

1. A science project is about answering a specific science problem.
 - Pick your problem
 - Ask your question and develop a hypothesis, or guess, about the solution to your problem
 - Conduct your experiment or observations
 - Reach your conclusion

2. Selecting Your Project:

Students may choose any topic that fits within the basic rules of the science fair. Projects may relate to the students' grade-level curriculum, but they are not required to. If you need project ideas, there are many web sites that provide science fair ideas for elementary school students.

3. The Display:

- Your display should tell the story of your project.
- The display should be free-standing and fit in an approximately 3 foot by 2 foot space **on a table top**, and may include a display board, model, or other display items.
- If a poster will be used in the display, it is strongly recommended that a tri-fold corrugated cardboard or foam core display be used instead of standard poster board, so that the poster is free-standing. (The tri-fold display boards are available in many stores including Michael's and Staples.)
- **Leave A Spot For The Label:** Each project team will receive a label when you arrive to set up on the day of the science fair. The label will contain the project number and grade level. **The label will need to be placed in the front upper left-hand corner of your display.** So when you start your display, leave a spot for the label - approximately 3 ½ inches wide and 5 inches tall.
- Don't forget to include the project name and your name on the display!

THE DAY OF THE SCIENCE FAIR:

- Project displays should be brought to the school on the day of the Science Fair between the hours of 4:30 and 6:00 p.m. At that time, pick up your label, attach it to your display, and bring your display to the assigned location.
- Please plan to be present for the entire fair in order to see everyone's work.

- Students are only required to stay at their project displays during their assigned 20 minute time period. During that time, a Science Fair Official will visit to view and ask questions. Students will be notified of their assigned viewing time period before the science fair (generally, lower grade-level projects will be viewed early in the evening and higher grade levels later).
- Project displays must be taken home at the end of the Science Fair.

CURRICULUM CONNECTIONS BY GRADE LEVEL

The chart below includes the essential questions that are part of each grade's science curriculum. Reading these questions will give parents and participants an idea of the science concepts addressed at each grade level. This information is provided for reference only – projects are not required to address the curriculum of the participant's grade level.

Kindergarten	Grade 1	Grade 2
-What did we learn about our schoolyard trees? -What can we observe about leaves? -What is the weather today? -What do fall trees look like?	-What causes sound? -How can we make loud and soft noises? -What makes a shadow? -How can we redirect a light beam?	-How can solid objects be described? -Are these materials solid or liquid? -What happens when solids are mixed with water?
Grade 3	Grade 4	
-What happens when magnets interact with other magnets and with paper clips? -How can we change the motion of wheel and axle systems rolling down ramps? -What are some important features of a cart that will roll from here to there? -What happens when you mix two materials?	-What is needed to light a bulb? -What materials stick to magnets? -How can you turn a steel rivet into a magnet that turns on and off? -What do we observe that energy is present? -How are waves involved with energy transfer?	

Please consider helping with set up (after school the day of the fair, from 3:20- 4:30) or cleanup (after the fair is over from 8:00-8:30).

Questions? Please contact one of the parent organizers at southrowsciencefair@gmail.com

Thank you,

Rick Cockley, John Craven, and Matthew Finnemeyer
 Parent Members, South Row School Council