



Welcome to our Curriculum Corner!

This month's update is focused on Science and ways you can connect at home.

All students in Alberta are learning the following updated curricula this year:

- Kindergarten to Grade 3 English Language Arts & Literature (ELAL)
- Kindergarten to Grade 3 Mathematics
- Kindergarten to Grade 6 PE and Wellness

September 2023, students across Alberta will learn K-3 Science from a finalized curriculum. Grades 4-6 may optionally implement.

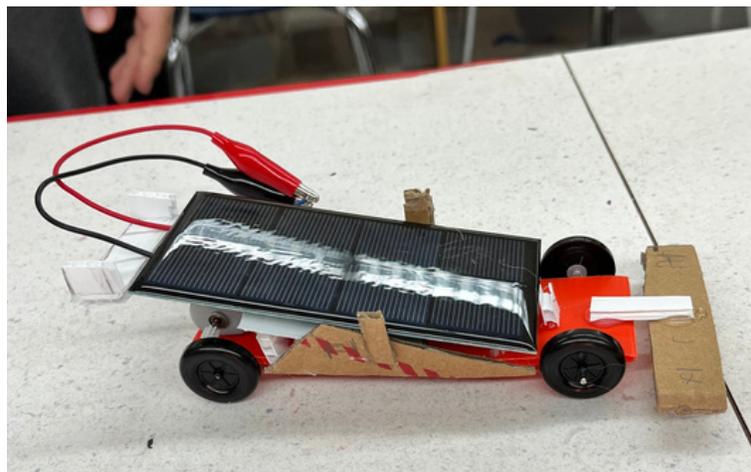


What is the Study of Science?

Science investigates many related fields, including physics, chemistry, biology, Earth science, astronomy, and computer science. The study of science builds student learning through investigation and evidence by observing, collecting, and analyzing data.

Studying science allows students to nurture curiosity, ask and answer questions, explore scientific and technological concepts, and acquire knowledge and understanding of the world.

Students develop critical reasoning and scientific knowledge by exploring ideas and using scientific methods through technology threaded into their daily lives.



Students deepen knowledge and understanding through collaborative conversation, recording and analyzing data, and interpreting scientific texts, including diagrams, models, or digital simulations.

Students deepen their understanding of the physical world by investigating the structure of matter, light, sound, movement, forces and energy resources.

Exploring Earth systems allows students to investigate the surrounding environment, landforms, interdependent systems of Earth, climate, and climate change. In living systems, students investigate plants and animals from various perspectives.

Studying computer science allows students to apply creativity, design, and computational thinking and develop scientific inquiry and problem-solving skills.

Studying scientific methods allows students to develop discipline-specific skills, such as investigation, collection of data, analysis of evidence, and development of hypotheses and scientific explanations.



What This Means for Your Child

Activating students' curiosity about the world fosters critical thinking. It inspires children to imagine future career paths in science, technology, engineering, and mathematics. By working together, we build a school community that equips all children to explore the world around them and develop the skills needed to become innovators, problem solvers, environmental stewards, lifelong learners and leaders.

Here are some general tips that align with the curriculum for you to continue supporting your child's science curiosity:

- Explore cooking
- Follow the weather
- Learn the parts of the body
- Talk about food digestion
- Study astronomy through visual sights
- Read books on scientific topics
- Build with blocks or Legos

The following online website provides explorations for your child: <https://crscience.org/educators/family/>

Community Resources for Science. (2021). Science at Home with the Family – Community Resources for Science. CRScience.org. <https://crscience.org/educators/family/>

If you want to learn more about Curriculum Content and Implementation plans:

- Speak with your teacher or your school Administrators.
- Visit: [K to 6 curriculum renewal | Alberta.ca](#)

Watch for next month's issue on Summer Months: Community camps for literacy and numeracy.