



FULL
GRADE 2
CURRICULUM
+ SUPPORT

SCIENCE FROM SCIENTISTS®

Grade 2 Science Curriculum with Scientist Educator Support

Science from Scientists (SciSci) offers the only fully supported Grade 2 science curriculum where **classroom teachers receive ready-to-teach lesson kits, plus a Scientist Educator** comes to the classroom to lead a hands-on, minds-on science lesson as part of every mini-unit. Classroom teachers love that there's no inventory, minimal prep time, and dynamic in-classroom support.

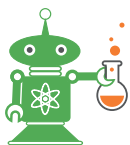
SciSci Grade 2 science curriculum incorporates the Science and Engineering Practices, Crosscutting Concepts, Core Ideas of the "Framework for K-12 Science Education," the Next Generation Science Standards (NGSS), and state standards. Science from Scientists is a 501(c)3 nonprofit organization.

Grade 2 Science Curriculum Highlights

- Ready-to-use lesson plans and resources, delivered in both physical and digital formats
- All supplies and worksheets provided and prepped for distribution
- Curriculum aligned to fulfill the state and NGSS standards; integrated with literacy, social studies, and math concepts
- Special classroom visits from real scientists to lead materials-intensive lessons
- Full-year and intro curriculum packages available
- Supplies are ready to distribute to groups
- No long-term agreements required

Program Cost

SciSci's Grade 2 Science curriculum program pricing is customized for each school's needs. Our team will work with your school or district to price out options that work for you. Schedule a demo to learn more.



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Grade 2 Science Curriculum Overview

Unlike popular science classroom kits, which often sit in the corner and collect dust because they need refurbishing after the first year, SciSci's Grade 2 full curriculum is fully supported and includes visits from Scientist Educators so that classroom teachers spend minimal prep time and maximize time with students.

Teacher-tested. Students-approved

Teachers report feeling more confident teaching science with SciSci. Students love the lessons and learn with hands-on materials that are so engaging that it feels like play!

NGSS and state standard-aligned lessons

All SciSci Grade 2 science curriculum is designed with the latest teaching best practices and is aligned with state and Next Generation Science Standards (NGSS).

Integrated literacy, social studies, and math concepts

Literacy, social studies, and math concepts and standards are woven throughout SciSci's curriculum.

Ready-to-teach hands-on materials

SciSci delivers all supplies and materials packed in such a way that classroom teachers can easily distribute them to students, minimizing prep time.

Printed lesson plans and digital slide decks

All lesson plans are printed and ready to use. Teachers also have access to SciSci's Teacher Portal for digital presentation materials.

Real scientists and engineers lead hands-on lessons

Professional SciSci Scientist Educators (not volunteers) collaborate closely with classroom teachers to lead robust hands-on, minds-on STEM experiences as part of each unit.

Support for multilingual language learners

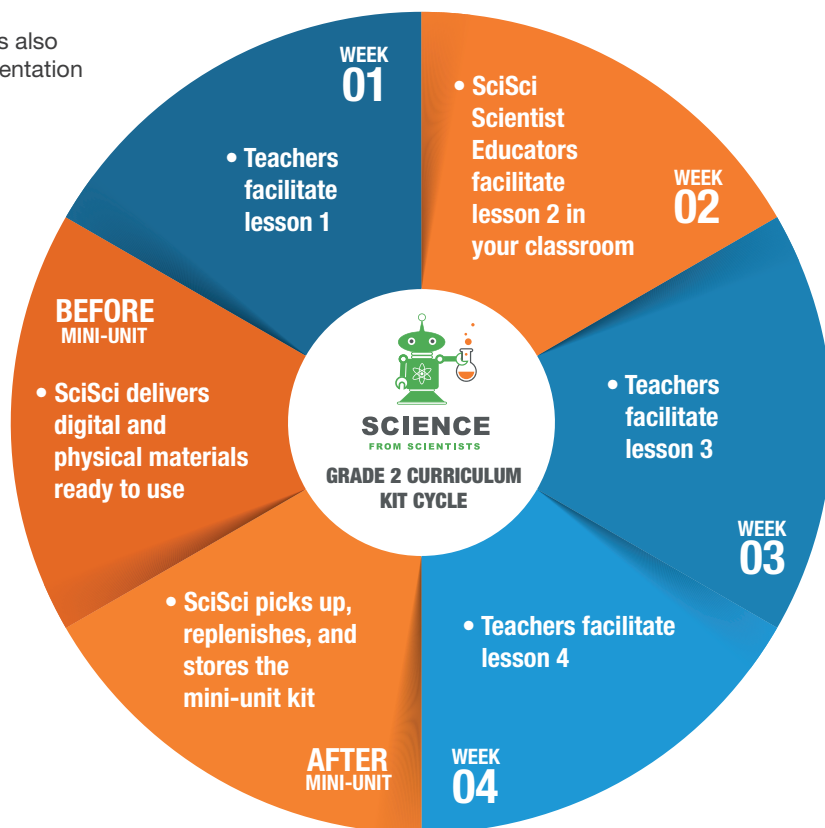
SciSci lessons incorporate research-based practices for teaching students with emerging English language skills. Units also include curated book lists from Epic! that are leveled for all the young readers in your classroom.

No inventory or dealing with old, worn kits

No more science kits collecting dust in the corner. SciSci delivers and picks up SciSci classroom kits so that teachers can focus their energy on facilitating a great science experience with their students.

Schedule a demo

Scan the QR code to learn more or schedule a demo.



Grade 2 Mini-Unit Descriptions

Our current selection of Grade 2 mini-units to choose from, with more on the way.



Landforms and Maps

Students make and read many kinds of maps. They model landforms like hills and mountains and use this experience to hone their skills reading maps of land and water. Students practice recognizing solid and liquid water and explore how the shape of the land influences whether water gathers in oceans, rivers, lakes, or ponds.

Standards:

- NGSS 2-ESS2-2 & 2-ESS2-3
- MA 2-ESS2-2 & 2-ESS2-3
- MN 2E.4.2.1.1



Blowing in the Wind

Students explore how wind and water change the shape of the land. They discover how features of the land impact erosion and then create a model that reduces wind erosion. They run an erosion relay race and explore weathering with chalk art. Students also explore other earth processes and categorize them as fast or slow.

Standards:

- NGSS 2-ESS2-1 & 2-ESS1-1
- MA 2-ESS2-1 & 2-ESS2-4(MA)
- MN 1E.4.1.2.1 & 1E.2.2.1.1

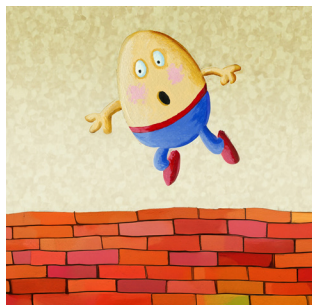


Weather Engineering

Students learn how weather impacts people all around the world. They then test models for different solutions engineers have proposed to lower the impacts of weather events on a community and recommend which one the community should build.

Standards:

- NGSS K-2-ETS1-3
- MA K-2-ETS1-3
- MN 2E.2.1.1.2



Reversible or Not

Students explore and discover how larger items can be broken down into smaller pieces. Then, students investigate heating and cooling of different substances to develop explanations for how some changes are reversible, while others are not. They also develop models to show reversible and irreversible changes.

Standards:

- NGSS 2-PS1-4 & 2-PS1-3
- MA 2-PS1-4 & 2-PS1-3
- MN 2P.3.1.1.1



Forces and Motion

Students learn about friction as a force that opposes motion. They experiment with different surfaces and classify them as having low, medium, or high friction and also investigate the effect of added mass on the force of friction.

Standards:

- NGSS 3-PS2-1 & 3-PS2-2
- MA 2-PS3-1(MA)
- MN 2P.1.1.1.1 & 2P.2.2.1.1

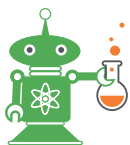


Which is Best

Students identify observable properties and use those properties to classify different objects. They then think like engineers to use observable properties to solve problems at a zoo. Students also test a variety of materials to determine which materials work best in different situations. Finally, using the story of the 3 Little Pigs, they test materials and design a wolf-proof house.

Standards:

- NGSS 2-PS1-1, 2-PS1-2, & K-2-ETS1-3
- MA 2-PS1-1, 2-PS1-2, & K-2-ETS1-3
- MN 2P.4.2.2.1



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Grade 2 Mini-Unit Descriptions (continued)



Who Lives in this Habitat

Students study the diversity of organisms in different habitats. They compare plants and animals that can be found in different habitats and consider organisms that can live in many habitats and ones that only live in specific habitats.

Standards:

- NGSS 2-LS4-1
- MA K-2-LS4-1
- MN 0L.1.2.1.2



Organisms and Their Environment

Students deepen their understanding of how plants and animals depend on their environment to meet their needs. They play a game to model how not all organisms can survive in all environments and predict what happens to organisms if and when their environment changes.

Standards:

- NGSS 3-LS4-3
- MA 2-LS2-3(MA)
- MN 2L.4.1.1.1



Weather and Climate

Students will record weather data graphically and use their data to make predictions about the weather. They will also explore patterns of temperature and precipitation around the world to better understand the climate in different regions.

Standards:

- NGSS 3-ESS2-1 & 3-ESS2-2
- MA 3-ESS2-1 & 3-ESS2-2
- MN 2E.2.2.1.1 & 2E.4.2.1.2



Bee a Pollinator

Students investigate the different ways plants are pollinated and disperse their seeds with an experiment. They use this knowledge to design the perfect flower and seed for a plant facing some challenging growing conditions.

Standards:

- NGSS 2-LS-1 & K-2-ETS1-2
- MA K-2-ETS1-2
- MN 2L.3.2.2.1



Experimenting with Plants

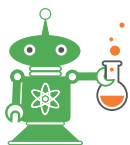
Students learn how to design an experiment to determine what plants need to survive and grow, conduct the experiment, and analyze their results.

Standards:

- NGSS 2-LS2-2
- MA 2-LS2-3(MA)
- MN 3L.1.2.1.2

“Working with the Science from Scientists Grade 2 program deepened our students understanding of these standards, engaged them in scientific thinking, exposed them to authentic problem solving, and most importantly ensured that they had a ton of fun exploring science concepts.”

- Melissa Lomas, principal



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