# 2nd Grade Science Year-at-a-Glance 2024-2025

| Unit | Standards Addressed | Pacing |
|---|---|---|
| **Nature of Science: August 12 – 20** | | |
| *Science Skillsets*<br>Introduction to<br>Nature of Science | SC.1.N.1.1 raise questions, investigate them in teams, generate explanations<br>SC.1.N.1.2 compare observations made by different groups<br>SC.1.N.1.3 ask "how do you know?"<br>SC.1.N.1.4 explain how scientific investigations should have similar conclusions when repeated<br>SC.2.N.1.5 distinguish between observations and inferences<br>SC.2.N.1.6 explain how scientists investigate new ways to solve problems | August 12 – August 20<br>(7 days) |
| **Earth Science: August 21 – November 13** | | |
| *Earth Rocks* | SC.2.E.6.1 earth is made of rocks<br>• SC.1.E.6.1 what is found on Earth's surface | August 21 – September 4<br>(10 days) |
| *Soil Sort* | SC.2.E.6.2 what makes up soil and how it is formed<br>SC.2.E.6.3 classify soil types | September 5 – September 16<br>(8 days) |
| *Here Comes the Sun* | SC.2.E.7.2, sun warms the land, water, and air<br>SC.2.E.7.3 evaporation<br>SC.2.P.8.5 compare temperatures<br>• SC.1.E.5.4 harmful/helpful effects of the sun | September 17 – October 1<br>(10 days) |
| *Changing Patterns* | SC.2.E.7.1 changing patterns in nature<br>SC.2.P.8.5 compare temperatures | October 2 – October 11<br>(8 days) |
| *Severe Weather* | SC.2.E.7.4 moving air is wind<br>SC.2.E.7.5 preparing for severe types of weather<br>• SC.1.E.6.3 fast and slow changes | October 15 – October 28<br>(10 days) |
| *Puff Mobile STEM Challenge* | SC.2.E.7.4 moving air is wind | October 29 – November 6<br>(7 days) |
| *Earth Science*<br>*Formative Assessment Check* | 1 day/20 questions - Remaining days can be used for review, debrief, reteach, and/or enrichment. | November 7 – November 13<br>(5 days) |
| **Physical Science: November 14 – March 12** | | |
| *Observing & Measuring Objects* | SC.2.P.8.1 measure objects in terms of their properties<br>• SC.1.P.8.1 sort objects by properties | November 14 – December 3<br>(9 days)<br>Unit Split Over Thanksgiving Break |
| **Thanksgiving Break November 25 – November 29** | | |
| *Measuring Volume* | SC.2.P.8.6 measure and compare the volume of liquids | December 4 – December 12<br>(7 days) |
| *Solids, Liquids & Gases* | SC.2.P.8.2 materials are either a solid, liquid or a gas<br>SC.2.P.8.3 solids have shapes, liquids take on the shape of the container<br>SC.2.P.8.4 3 states of water | December 13 – January 14<br>(10 days)<br>Unit Split Over Winter Break |
| **Standards-Based Holiday Activity December 19-20** | | |

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| **Winter Break December 25 – January 3 (January 6 Teacher Planning Day)** | | |
| *Energize* | SC.2.P.10.1 how people use electricity | January 15 – January 27<br>(8 days) |
| *Altering Materials* | SC.2.P.9.1 materials can be altered to change their properties<br>• SC.K.P.9.1 shape of materials can be changed | January 28 – February 7<br>(9 days) |
| *Magnets* | SC.2.P.13.1 investigate pushes or pulls<br>SC.2.P.13.2 magnets can move things without touching them<br>SC.2.P.13.4 the greater the force, the greater the change in motion<br>• SC.1.P.13.1 push or pull on an object | February 10 – February 21<br>(9 days) |
| *Holding Up* | SC.2.P.13.3 gravity<br>• SC.1.P.13.1 pushes and pulls | February 24 – March 5<br>(8 days) |
| *Physical Science Formative Assessment Check* | 1 day/25 questions - Remaining days can be used for review, debrief, reteach, and/or enrichment. | March 6 – March 12 |
| **Science Projects – Review NOS and other Content Standards**<br>Refer to the **Science and Engineering Showcase Resources** module on Canvas. | | March 13 – April 2<br>(10 days)<br>Unit Split Over Spring Break |
| **Spring Break March 17 – March 21** | | |
| **Life Science: April 3 – May 29** | | |
| *Human Body* | SC.2.L.14.1 brain, heart, lungs, stomach, muscles & skeleton<br>• SC.K.L.14.1 five senses and related body parts<br>• SC.1.L.14.1 observe living things using the five senses | April 3 – April 17<br>(11 days) |
| *Life Cycles* | SC.2.L.16.1 plant and animal life cycles<br>• SC.1.L.14.2 major parts of plants<br>• SC.1.L.16.1 variations among plants and animals | April 22 – May 5<br>(10 days) |
| *Helpful Habitats* | SC.2.L.17.1 basic needs of all living things<br>SC.2.L.17.2 different habitats<br>• SC.K.L.14.3 plants & animals how they are alike and how they are different<br>• SC.1.L.14.1 make observations using 5 senses<br>• SC.1.L.14.2 major parts of plants<br>• SC.1.L.14.3 living and nonliving | May 6 – May 15<br>(8 days) |
| *Picture Perfect STEM: Terrific Trees* | SC.2.L.16.1 life cycles plants and animals<br>SC.2.L.17.1 basic needs for survival<br>SC.2.L.17.2 different habitats<br>• SC.3.L.14.1 plant structures and their role<br>• SC.3.L.14.2 plant response to stimuli<br>• SC.3.L.15.2 flowering and non-flowering plants | May 16 – May 29<br>(9 days) |
| *Life Science Formative Assessment Check* | 1 day/25 questions - Remaining days can be used for review, debrief, reteach, and/or enrichment. | May 15 – May 21 |
| **SCIENCE & ENGINEERING SHOWCASE – May 10, 2025** | | |