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| **2nd Grade Science Year-at-a-Glance 2024-2025** |
| **Unit** | **Standards Addressed** | **Pacing** |
| **Nature of Science: August 12 – 20** |
| *Science Skillsets* Introduction to Nature of Science | [SC.1.N.1.1](https://www.cpalms.org/PreviewStandard/Preview/1566) raise questions, investigate them in teams, generate explanations[SC.1.N.1.2](https://www.cpalms.org/PreviewStandard/Preview/1567) compare observations made by different groups[SC.1.N.1.3](https://www.cpalms.org/PreviewStandard/Preview/1568) ask “how do you know?”[SC.1.N.1.4](https://www.cpalms.org/PreviewStandard/Preview/1569) explain how scientific investigations should have similar conclusions when repeated[SC.2.N.1.5](https://www.cpalms.org/PreviewStandard/Preview/1600) distinguish between observations and inferences[SC.2.N.1.6](https://www.cpalms.org/PreviewStandard/Preview/1601) explain how scientists investigate new ways to solve problems | August 12 – August 20(7 days) |
| **Earth Science: August 21 – November 13** |
| *Earth Rocks* | [SC.2.E.6.1](https://www.cpalms.org/PreviewStandard/Preview/1602) earth is made of rocks* [SC.1.E.6.1](https://www.cpalms.org/PreviewStandard/Preview/1585) what is found on Earth’s surface
 | August 21 – September 4(10 days) |
| *Soil Sort* | [SC.2.E.6.2](https://www.cpalms.org/PreviewStandard/Preview/1603) what makes up soil and how it is formed[SC.2.E.6.3](https://www.cpalms.org/PreviewStandard/Preview/1604) classify soil types | September 5 – September 16(8 days) |
| *Here Comes the Sun* | [SC.2.E.7.2,](https://www.cpalms.org/PreviewStandard/Preview/1606) sun warms the land, water, and air[SC.2.E.7.](https://www.cpalms.org/PreviewStandard/Preview/1607)3 evaporation[SC.2.P.8.5](https://www.cpalms.org/PreviewStandard/Preview/1613) compare temperatures* [SC.1.E.5.4](https://www.cpalms.org/PreviewStandard/Preview/1573) harmful/helpful effects of the sun
 | September 17 – October 1(10 days) |
| *Changing Patterns*  | [SC.2.E.7.1](https://www.cpalms.org/PreviewStandard/Preview/1605) changing patterns in nature[SC.2.P.8.5](https://www.cpalms.org/PreviewStandard/Preview/1613) compare temperatures | October 2 – October 11(8 days) |
| *Severe Weather* | [SC.2.E.7.4](https://www.cpalms.org/PreviewStandard/Preview/1608) moving air is wind[SC.2.E.7.5](https://www.cpalms.org/PreviewStandard/Preview/1609) preparing for severe types of weather * [SC.1.E.6.3](https://www.cpalms.org/PreviewStandard/Preview/1587) fast and slow changes
 | October 15 – October 28(10 days) |
| *Puff Mobile STEM Challenge* | [SC.2.E.7.4](https://www.cpalms.org/PreviewStandard/Preview/1608) moving air is wind | October 29 – November 6(7 days) |
| *Earth Science**Formative Assessment Check* | 1 day/20 questions - Remaining days can be used for review, debrief, reteach, and/or enrichment. | November 7 – November 13(5 days) |
| **Physical Science: November 14 – March 12** |
| *Observing & Measuring Objects* | [SC.2.P.8.1](https://www.cpalms.org/PreviewStandard/Preview/1610) measure objects in terms of their properties* [SC.1.P.8.1](https://www.cpalms.org/PreviewStandard/Preview/1588) sort objects by properties
 | November 14 – December 3(9 days) Unit Split Over Thanksgiving Break |
| **Thanksgiving Break November 25 – November 29** |
| *Measuring Volume* | [SC.2.P.8.6](https://www.cpalms.org/PreviewStandard/Preview/1614) measure and compare the volume of liquids | December 4 – December 12(7 days) |
| *Solids, Liquids & Gases* | [SC.2.P.8.2](https://www.cpalms.org/PreviewStandard/Preview/1611) materials are either a solid, liquid or a gas[SC.2.P.8.3](https://www.cpalms.org/PreviewStandard/Preview/1615) solids have shapes, liquids take on the shape of the container[SC.2.P.8.4](https://www.cpalms.org/PreviewStandard/Preview/1612) 3 states of water | December 13 – January 14(10 days)Unit Split Over Winter Break |
| **Standards-Based Holiday Activity December 19-20** |
| **Winter Break December 25 – January 3 (January 6 Teacher Planning Day)** |
| *Energize* | [SC.2.P.10.1](https://www.cpalms.org/PreviewStandard/Preview/1617) how people use electricity | January 15 – January 27(8 days) |
| *Altering Materials* | [SC.2.P.9.1](https://www.cpalms.org/PreviewStandard/Preview/1616) materials can be altered to change their properties* [SC.K.P.9.1](https://www.cpalms.org/PreviewStandard/Preview/1559) shape of materials can be changed
 | January 28 – February 7(9 days) |
| *Magnets* | [SC.2.P.13.1](https://www.cpalms.org/PreviewStandard/Preview/1618) investigate pushes or pulls[SC.2.P.13.2](https://www.cpalms.org/PreviewStandard/Preview/1619) magnets can move things without touching them[SC.2.P.13.4](https://www.cpalms.org/PreviewStandard/Preview/1621) the greater the force, the greater the change in motion* [SC.1.P.13.1](https://www.cpalms.org/PreviewStandard/Preview/1590) push or pull on an object
 | February 10 – February 21(9 days) |
| *Holding Up* | [SC.2.P.13.3](https://www.cpalms.org/PreviewStandard/Preview/1620) gravity* [SC.1.P.13.1](https://www.cpalms.org/PreviewStandard/Preview/1590) pushes and pulls
 | February 24 – March 5(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**Refer to the **Science and Engineering Showcase Resources** module on Canvas. | March 13 – April 2(10 days)Unit Split Over Spring Break |
| **Spring Break March 17 – March 21** |
| **Life Science: April 3 – May 29** |
| *Human Body* | [SC.2.L.14.1](https://www.cpalms.org/PreviewStandard/Preview/1622) brain, heart, lungs, stomach, muscles & skeleton* [SC.K.L.14.1](https://www.cpalms.org/PreviewStandard/Preview/1563) five senses and related body parts
* [SC.1.L.14.1](https://www.cpalms.org/PreviewStandard/Preview/1591) observe living things using the five senses
 | April 3 – April 17(11 days) |
| *Life Cycles* | [SC.2.L.16.1](https://www.cpalms.org/PreviewStandard/Preview/1623) plant and animal life cycles* [SC.1.L.14.2](https://www.cpalms.org/Public/PreviewStandard/Preview/1592) major parts of plants
* [SC.1.L.16.1](https://www.cpalms.org/PreviewStandard/Preview/1594) variations among plants and animals
 | April 22 – May 5(10 days) |
| *Helpful Habitats* | [SC.2.L.17.1](https://www.cpalms.org/PreviewStandard/Preview/1624#:~:text=needs%20from%20SC.-,2.,knowledge%20of%20habitats%20from%20SC.) basic needs of all living things[SC.2.L.17.2](https://www.cpalms.org/PreviewStandard/Preview/1625) different habitats* [SC.K.L.14.3](https://www.cpalms.org/PreviewStandard/Preview/1565) plants & animals how they are alike and how they are different
* [SC.1.L.14.1](https://www.cpalms.org/Public/PreviewStandard/Preview/1591#:~:text=14.1,-Export&text=Make%20observations%20of%20living%20things%20and%20their%20environment%20using%20the%20five%20senses.,-General%20Information&text=Humans%20can%20better%20understand%20the%20natural%20world%20through%20careful%20observation.) make observations using 5 senses
* [SC.1.L.14.2](https://www.cpalms.org/Public/PreviewStandard/Preview/1592) major parts of plants
* [SC.1.L.14.3](https://www.cpalms.org/PreviewStandard/Preview/1593) living and nonliving
 | May 6 – May 15(8 days) |
| *Picture Perfect STEM:**Terrific Trees* | [SC.2.L.16.1](https://www.cpalms.org/PreviewStandard/Preview/1623) life cycles plants and animals[SC.2.L.17.1](https://www.cpalms.org/PreviewStandard/Preview/1624) basic needs for survival[SC.2.L.17.2](https://www.cpalms.org/PreviewStandard/Preview/1625) different habitats* [SC.3.L.14.1](https://www.cpalms.org/PreviewStandard/Preview/1657) plant structures and their role
* [SC.3.L.14.2](https://www.cpalms.org/PreviewStandard/Preview/1658) plant response to stimuli
* [SC.3.L.15.2](https://www.cpalms.org/PreviewStandard/Preview/1659) flowering and non-flowering plants
 | May 16 – May 29(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** |