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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** | | | |