* Structure and Function is implied in the ORSS Core Idea for grade 2.
* The Oregon Life Science Standards partially correlate to NGSS Life Science Topic if you combine some of the Grade 1-3 Life Science Content Standards, but the **application** of content knowledge greatly increases the rigor for students’ understanding.
* NGSS Engineering Design Standards are K-2 grade-band specific. Future work will determine grade-level learning progression.
* New requirements for answering scientific questions using informational text/ media.
* Properties of Magnetism (ORSS 2nd Grade Physical Science Standard) shifts to 3rd Grade in NGSS.
* Matter and Interactions (ORSS 1st/3rd/4th Grade Physical Science Standard) shifts to 2nd Grade in NGSS.
* Patterns of the Sun & Moon (ORSS 2nd Grade Earth/Space Science Standard) shifts to 1st Grade in NGSS.
* Temperature Patterns (ORSS 2nd Grade Earth/Space Science Standard) shifts to K and 3rd Grade in NGSS.

| NGSS PE | ORSS | Content | Practice  | CCC | Notes on Alignment |
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| 2-PS1 Matter and Its Interactions |
| 2-PS1-1.Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties. | 1.P1.11.1E.13.1P.12.3S.22.3S.1 | DD/PD | SS | S |  |
| 2-PS1-2.Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose. | 1.1P.13.1P.11.1E.12.4D.12.3S.33.3S.2 | DDD | PP | NS | Cause and effect is newly stated, and implied previously in 1.2P.1Connections to engineering, technology, and application of science NGSS link to ORSS 2.4D.1 |
| 2-PS1-3.Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object. | 1.1P.1K.4D.22.3S.12.4D.12.4D.3 | DD | PPP | D |  |
| 2-PS1-4.Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot. | 1.P1.13.1P.14.2P.13.3S.34.3S.3 | DDD | DD | N | Cause and effect is newly stated, and implied previously in 3.1P.1 and 4.2P.1 |
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| 2-LS2 Ecosystems: Interactions, Energy, and Dynamics |
| 2-LS2-1.Plan and conduct an investigation to determine if plants need sunlight and water to grow. | 2.1L.11.2L.13.3S.1 | PD | P | N | Cause and effect is newly stated, and implied previously |
| 2-LS2-2.Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants. | 2.1L.12.2L.12.4D.12.3S.22.3S.3 | PP | SPP | N | Structure and Function is implied in the ORSS Core Idea for grade 2 |
| 2-LS4 Biological Evolution: Unity and Diversity |
| 2-LS4-1.Make observations of plants and animals to compare the diversity of life in different habitats. | 2.1L.12.3S.12.3S.22.3S.3 | S | SSS | N/A | There was no crosscutting idea for this NGSS standard. |
| 2-ESS1 Earth's Place in the Universe |
| 2-ESS1-1.Use information from several sources to provide evidence that Earth events can occur quickly or slowly. | 4.2E.12.3S.12.3S.3 | D | PP | N | Stability and Change are implied in ORSS  |
| 2-ESS2 Earth's Systems |
| 2-ESS2-1.Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land. | 2.3S.24.2E.12.4D.12.4D.3 | D | PP | S |  |
| 2-ESS2-2.Develop a model to represent the shapes and kinds of land and bodies of water in an area.  | 2.3S.24.2E.12.4D.1 | D/P | SS | S |  |
| 2-ESS2-3.Obtain information to identify where water is found on Earth and that it can be solid or liquid.  | 2.3S.21.1E.13.1P.14.1E.1 | D/PD/PD/P | N | N | New requirements for answering scientific questions using informational text/ media |
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| K-2-ETS1 Engineering Design |
| K-2-ETS1-1.Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool. | K.3S.1K.4D.11.4D.1.2.4D.12.4D.3 | PPDDD | PPDDD | P | Engineering Design content of the ORSS K-2 learning progression when combined with Science Inquiry creates a strong alignmentAll of these will be partial alignment because they are based on a grade k-2 band.Structure and function is a core idea in Oregon Standards, and also addressed in K.4D.1 |
| K-2-ETS1-2.Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem. | K.4D.22.4D.3 | PD | PD | P |  |
| K-2-ETS1-3.Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. | K.4D.12.3S.12.4D.3 | PD | PDD | P |  |