

OSAS Science Overall Scale Score Proficiency Ranges by Grade Level

The OSAS Science tests give an overall score for Science that is based on **all the Oregon science standards**.

The **OSAS Science** test is designed to look at three parts of science learning working together: *Disciplinary Content Ideas (DCI)*, *Science and Engineering Practices (SEP)*, and *Cross-Cutting Concepts (CCC)*.

Each grade has its own scale score range. The tables below show how scale scores are grouped into the four performance levels for each grade. Find your student's grade and score to see their performance level.

	Level 1	Level 2	Level 3	Level 4
Grade 5	0 – 3130	3131 – 3161	3162 - 3197	3198 or higher
Grade 8	0 – 3432	3433 – 3459	3460 - 3506	3507 or higher
Grade 11	0 – 3734	3735 – 3754	3755 - 3787	3788 or higher

What about Earth and Space, Life Science, and Physical Sciences Scores mean?

In addition to the overall science score, your student has more detailed results in three areas.

These include **Earth and Space (ESS) scale score**, **Life Science (LS) scale score**, **and a Physical Science(PS) scale score**, which provide a closer look at how your student understands the disciplinary ideas in that area and how well they use scientific skills, such as applying science and engineering practices and making connections across topics. **These scores follow the same scale and performance levels as the overall science score.**

Why this matters:

These scores are one piece of information that can help you and your student's teacher better understand strengths and areas where additional support may be helpful.

[ESS, LS, or PS] Science Scale Score Proficiency Achievement Level Descriptors

Level 1	Level 2	Level 3	Level 4
<p>Students are beginning to understand grade-level</p> <ul style="list-style-type: none"> • Earth and Space Science ideas, • Life Science ideas, or • Physical Science ideas. <p>They need support using scientific and engineering practices and have difficulty making connections across science concepts.</p>	<p>Students understand some grade-level</p> <ul style="list-style-type: none"> • Earth and Space Science ideas, • Life Science ideas, or • Physical Science ideas. <p>They are beginning to use scientific and engineering practices and can make basic connections across science concepts with support.</p>	<p>Students understand most grade-level</p> <ul style="list-style-type: none"> • Earth and Space Science ideas, • Life Science ideas, or • Physical Science ideas. <p>They use scientific and engineering practices and can make clear connections across concepts.</p>	<p>Students deeply understand grade-level</p> <ul style="list-style-type: none"> • Earth and Space Science ideas, • Life Science ideas, or • Physical Science ideas. <p>They apply scientific and engineering practices independently and make strong connections across science concepts and to new situations.</p>

Note: Your student receives a scale score for Earth and Space Science, Life Science, and Physical Science. This table combines all three subject areas into one to keep this guide to one page.