

OSAS Science Achievement Level Descriptors for Overall Performance

Achievement level descriptors provide high level statements about what students in a particular grade level who perform at each achievement level are able demonstrate about their learning. To use this table locate student's grade level when tested and their overall achievement level or score range.

	Level 1	Level 2	Level 3	Level 4
Grade 5	Scores below 3131	Scores from 3131 to 3161	Scores from 3162 to 3197	Scores above 3197
	Learner demonstrates minimal application of science and engineering practices, knowledge of core ideas and understanding of cross-cutting concepts tied to local and global phenomena. Learners at this level are not on track for post high school college and career readiness.	Learner can demonstrate some application of science and engineering practices, knowledge of core ideas and understanding of cross-cutting concepts tied to local and global phenomena. It is unlikely learners at this level are on track for college and career readiness.	Learner can demonstrate the application of science and engineering practices, core ideas, and cross-cutting concepts to local and global phenomena, becoming community members who are critical consumers of scientific information on track for post high school college and career readiness.	Learner can synthesize the application of science and engineering practices, core ideas, and cross-cutting concepts to local and global phenomena, becoming community members who are critical consumers of scientific information capable of engaging in scientific argumentation from evidence on track for post high school college and career readiness.
Grade 8	Scores below 3433	Scores from 3433 to 3459	Scores from 3460 to 3506	Scores above 3506
	Learner demonstrates minimal application of science and engineering practices, knowledge of core ideas and understanding of cross-cutting concepts tied to local and global phenomena. Learners at this level are not on track for post high school college and career readiness.	Learner can demonstrate some application of science and engineering practices, knowledge of core ideas and understanding of cross-cutting concepts tied to local and global phenomena. It is unlikely learners at this level are on track for college and career readiness.	Learner can demonstrate the application of science and engineering practices, core ideas, and cross-cutting concepts to local and global phenomena, becoming community members who are critical consumers of scientific information on track for post high school college and career readiness.	Learner can synthesize the application of science and engineering practices, core ideas, and cross-cutting concepts to local and global phenomena, becoming community members who are critical consumers of scientific information capable of engaging in scientific argumentation from evidence on track for post high school college and career readiness.
Grade 11	Scores below 3735	Scores from 3735 to 3754	Scores from 3755 to 3787	Scores above 3787
	Learner demonstrates minimal application of science and engineering practices, knowledge of core ideas and understanding of cross-cutting concepts tied to local and global phenomena. Learners at this level are not on track for post high school college and career readiness.	Learner can demonstrate some application of science and engineering practices, knowledge of core ideas and understanding of cross-cutting concepts tied to local and global phenomena. It is unlikely learners at this level are on track for college and career readiness.	Learner can demonstrate the application of science and engineering practices, core ideas, and cross-cutting concepts to local and global phenomena, becoming community members who are critical consumers of scientific information on track for post high school college and career readiness.	Learner can synthesize the application of science and engineering practices, core ideas, and cross-cutting concepts to local and global phenomena, becoming community members who are critical consumers of scientific information capable of engaging in scientific argumentation from evidence on track for post high school college and career readiness.