

Engaging in Argumentation from Evidence

Elements of Student Performance

Upper Elementary (3-5)



[Science & Engineering Practice 7](#)

Observable features of the student performance by the end of grade 5:

Supported Claims

Identify a claim to be supported about a phenomenon and include the relevant disciplinary core idea in the claim.

Identifying Scientific Evidence

Describe the given evidence, data, and/or models necessary to support the claim.

Evaluating and Critiquing the Evidence

Evaluate the evidence to determine whether it is sufficient and relevant to supporting the claim.
Describe whether any additional evidence is needed to support the claim.
Distinguish among facts, reasoned judgment based on research findings, and speculation.

Reasoning and Synthesis

Use reasoning to connect the evidence to support the claim with argumentation.
Describe a chain of reasoning that includes the relevant crosscutting concept.

[3-LS2-1](#) / [3-LS4-3](#) / [3-ESS3-1](#) / [4-LS1-1](#) / [5-PS2-1](#) / [5-LS1-1](#) / [5-ESS1-1](#)