

DCI: Motion and Stability: Forces and Interactions

5.PS2.B: Types of Interactions

The gravitational force of Earth acting on an object near Earth's surface pulls that object toward the planet's center. (5-PS2-1)

Performance Expectation

5-PS2-1: Support an argument that the gravitational force exerted by Earth on objects is directed down.

Clarification Statement: "Down" is a local description of the direction that points toward the center of the spherical Earth.

Assessment Boundary: Assessment does not include mathematical representation of gravitational force.

Science and Engineering Practice

Engaging in Argument from Evidence

Engaging in argument from evidence in 3–5 builds on K–2 experiences and progresses to critiquing the scientific explanations or solutions proposed by peers by citing relevant evidence about the natural and designed world(s).

Support an argument with evidence, data, or a model. (5-PS2-1)

Crosscutting Concept

Cause and Effect

Cause and effect relationships are routinely identified and used to explain change. (5-PS2-1)

Common Core State Standards for ELA/Literacy

Reading Informational Text

RI.5.1 - Key Ideas and Details

Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text. (5-PS2-1)

Common Core State Standards for ELA/Literacy

Reading Informational Text

RI.5.9 - Integration of Knowledge and Ideas

Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably. (5-PS2-1)

Common Core State Standards for ELA/Literacy

Card Type name

W.5.1 - Text Types and Purposes

Write opinion pieces on topics or texts, supporting a point of view with reasons and information. (5-PS2-1)

None