

Common Core State Standards: Science & Technical Subjects

CCSS.ELA-LITERACY.RST.9-10.1

Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions.

CCSS.ELA-LITERACY.RST.9-10.2

Determine the central ideas or conclusions of a text; trace the text's explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text.

CCSS.ELA-LITERACY.RST.9-10.5

Analyze the structure of the relationships among concepts in a text, including relationships among key terms (e.g., force, friction, reaction force, energy).

CCSS.ELA-LITERACY.RST.9-10.6

Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, defining the question the author seeks to address.

CCSS.ELA-LITERACY.RST.9-10.8

Assess the extent to which the reasoning and evidence in a text support the author's claim or a recommendation for solving a scientific or technical problem.

NGSS

HS-ETS1-1 Engineering Design

Analyze a major global challenge to specify qualitative and quantitative criteria and constraints for solutions that account for societal needs and wants.

Career and Technical Education

Assisting secondary and postsecondary programs in aligning career and technical education students to workforce opportunities,

Easing the transition from high school to postsecondary programs

Art

ABSTRACT: to consider theoretically

In high school, students begin the transition from concrete to abstract thought as they transition into early adulthood. This transition is reflected in the ABSTRACT cycle, as the ideas become broad, theoretical frameworks that exist outside the individual.

IDENTITY | INTERACTION | LANGUAGE | DETERMINATION | CREATION | TRANSFORMATION

INTERACTION: reciprocal action or influence

The arc of INTERACTION pushes students to explore the relationship between the creator, the work and the audience, building an understanding of how the arts impact people. [from early October to the end of November]

CONTRAST | PERCEIVING | OTHER | INTERACTION

LANGUAGE: a system of communication

As students begin to use the arts as a tool of communication, the LANGUAGE arc will support their development of the building blocks of creation in various arts disciplines, identifying how those blocks can be combined in infinite ways. [from the end of November to the end of term one]

GROUPING & SORTING | CONNECTING | BUILDING | LANGUAGE