



SUSTAINABLE ENERGY AND ENGINEERING: SOLAR STANDARD ALIGNMENTS

Common Core Math & ELA

RST.6-8.3

Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.

RST.6-8.7

Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).

SL.6.1

Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 6 topics, texts, and issues, building on others' ideas and expressing their own clearly.

Next Generation Science Standards

MS-ETS1-1

Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.

MS-ETS1-3

Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.

MS-PS3-2

Develop a model to describe that when the arrangement of objects interacting at a distance changes, different amounts of potential energy are stored in the system.

MS-PS4-2

Develop and use a model to describe that waves are reflected, absorbed, or transmitted through various materials

Massachusetts Comprehensive Health Curriculum

PK5.8.5.CE.4

Analyze how environmental factors (e.g., air quality, trash and litter, availability of clean drinking water) and types of pollution (e.g., air, noise, chemical, water) affect health. [HPE]

PK5.8.5.CE.5

Encourage others to improve health outcomes. [HPE]