



Mini-Map for SCI.EE.HS.PS3-4

Subject: Science

Physical

Grade: 9–12

Learning Outcome

DLM Essential Element	Grade-Level Standard
SCI.EE.HS.PS3-4 Investigate and predict the temperatures of two liquids before and after combining to show uniform energy distribution.	HS-PS3-4 Plan and conduct an investigation to provide evidence that the transfer of thermal energy when two components of different temperature are combined within a closed system results in a more uniform energy distribution among the components in the system.

Linkage Level Descriptions

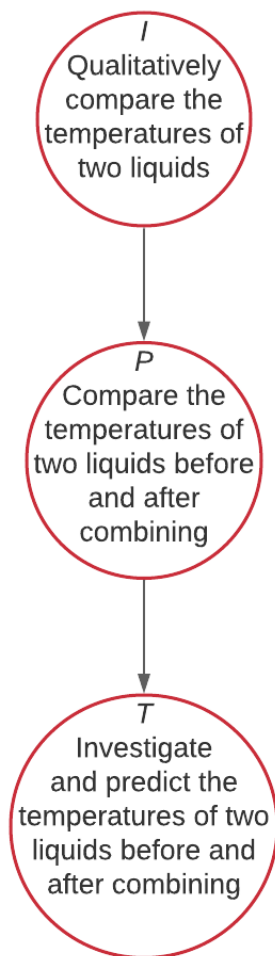
Initial	Precursor	Target
Compare relative difference in temperature (warmth, coldness) of two liquids.	Compare the temperatures of two liquids of different temperatures before and after combining.	Investigate and predict the temperatures of two liquids before and after combining to show uniform energy distribution.

Instructional Resources

Linkage Level	Instructional Activities
Initial/Precursor/Target	N/A
Connections	
Science and Engineering Practices	Planning and Carrying Out Investigations
Crosscutting Concepts	Systems and System Models
Released Testlets	
See the Guide to Practice Activities and Released Testlets .	

[Link to Text-Only Map](#)

SCI.EE.HS.PS3-4 Investigate and predict the temperatures of two liquids before and after combining to show uniform energy distribution.



Map Key	
I	Initial
P	Precursor
T	Target