

**HAMMONTON PUBLIC SCHOOLS
CURRICULUM PROJECT
Creating a Student-Centered Classroom**

Content Area: Physical Science
Unit Title: States of Matter
Target Course/Grade Level: Physical Science/Grade 8
School: Hammonton Middle
UNIT SUMMARY
21st Century Skills: Critical thinking and problem solving; Communication; Collaboration; Creativity and Innovation
21st Century Themes: Civic Literacy; Financial, Economic, Business and Entrepreneurial Literacy; Global Awareness; Health Literacy; Environmental Literacy
STAGE ONE: LEARNING TARGETS
2009 New Jersey Core Curriculum Standards including Cumulative Progress Indicator (CPI) 5.2.8.A.3
5.2 Physical Science: Physical science principles, including fundamental ideas about matter, energy and motion are powerful conceptual tools for making sense of phenomena in physical, living and Earth systems science.
A. Properties of Matter: All objects and substances in the natural world are composed of matter. Matter has two fundamental properties: matter takes up space and matter has inertia.
<i>5.2.8.A.3 Use the kinetic molecular model to predict how solids, liquids and gases would behave under various physical circumstances, such as heating or cooling.</i>