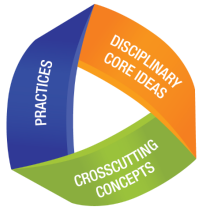
NGSS Alignment - Stretchy Slime Science (Middle School)



Structure and Properties of Matter (MS-PS1.A):

- MS-PS1-1: Develop models to describe the atomic composition of simple molecules and extended structures.

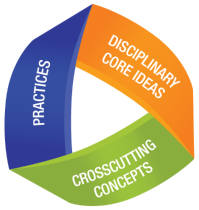
Chemical Reactions (MS-PS1.B):

- MS-PS1-2: Make observations and measurements to identify materials based on their properties.
- MS-PS1-3: Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.
- MS-PS1-4: Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.
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Nuclear Processes (MS-PS1.C):

- MS-PS1-5: Develop and use a model to describe how the total number of atoms does not change in a chemical reaction, thus mass is conserved.

NGSS Alignment - Stretchy Slime Science (High School)



Structure and Properties of Matter (HS-PS1.A):

- HS-PS1-1: Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.

Chemical Reactions (HS-PS1.B):

- HS-PS1-2: Construct and revise an explanation for the outcome of a simple chemical reaction based on the outermost electron states of atoms, trends in the periodic table, and knowledge of the patterns of chemical properties.

Nuclear Processes (HS-PS1.C):

- HS-PS1-8: Develop models to illustrate the changes in the composition of the nucleus of the atom and the energy released during the processes of fission, fusion, and radioactive decay.

Types of Interactions (HS-PS2.B):

- HS-PS2-6: Communicate scientific and technical information about why the molecular-level structure is important in the functioning of designed materials.