

NGSS Correlations

Bismuth Crystal RM-520

Elementary

2-PS1-1

Students can use Bismuth Crystals to plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

5-PS1-3

Students can use Bismuth Crystals to make observations and measurements to identify materials based on their properties.

Suggested Science Idea(s)

2-PS1-1

5-PS1-3

MS-PS1-1

MS-PS1-3

These beautiful, man-made Bismuth Crystals are cubic and iridescent. Students can use them to plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

DCI-HS/PS1.A: Structure and Properties of Matter.

The Periodic Table orders elements horizontally by the number of protons in the atom's nucleus and places those with similar chemical properties in columns. The repeating patterns of this table reflect patterns of outer electron states.

Middle School

MS-PS1-1

Using Bismuth Crystals, students can develop models to describe the atomic composition of simple molecules and their structures or properties.

MS-PS1-3

Students can investigate Bismuth Crystals in an investigation to describe that synthetic materials come from natural resources and can have an impact on society.

High School

HS-PS1-2

Using Bismuth Crystals, students can 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.

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