

Alignment of Cross-Linked Polymers Module to the Next Generation

Science Standards

The Next Generation Science Standards (NGSS) were published in April 2013. They consist of statements that convey performance expectations for students. Each performance expectation is a single statement that is built from three parts: science and engineering practices (Practices), disciplinary core ideas (DCI) and crosscutting concepts.

Each performance expectation is a single statement that is built from three components: science and engineering practices (Practices), disciplinary core ideas (DCI) and crosscutting concepts. Each lesson was evaluated to determine alignment to (1) Performance Expectations, and (2) alignment to the individual components.

Since the Cross-Linked Polymers Module was created prior to the release of these standards one would expect that it aligns most readily to the individual statements that articulate the practices, DCIs, and crosscutting concepts.

Table 2 clarifies the nature of the alignments by Practice, DCI, and Crosscutting Concept:

TABLE 1. ALIGNED PRACTICES, DISCIPLINARY CORE IDEAS, AND CROSSCUTTING CONCEPTS		
PRACTICE	DCI	CROSSCUTTING CONCEPT
<i>No alignments</i>	<i>HS-PS2.B: Types of interactions: Attraction and repulsion between electric charges at the atomic scale explain the structure, properties, and transformations of matter, as well as the contact forces between material objects.</i> <i>Strong in student materials</i>	<i>No alignments</i>