Tally of Insufficient Content from the Second Semester Modeling Curriculum as Compares to the New York State Standards

Descriptions of the Standards

Standard 1
T1.1: Engineering Design
The students engage in several steps of a design process:
Initiate and carry out an investigation of unfamiliar situations.
Identify needs and opportunities for technological innovation.
Generate creative solutions, and explore possible refinements.

Standard 2
1.3: Develop work schedules and working plans which include optimal use and cost of materials, processes, time, expertise.

Design a test of the solution according to the design criteria.

Standard 4
4.1ii: Use knowledge of physics to evaluate articles in popular press on contemporary scientific topics.

4.1iii: Utilize electronic networks to share information.

4.3iv: Predict the superposition of two waves, including all wave properties

4.3v: Determine the speed of sound in air

Standard 4 Key idea 5
5.1i: Interpret energy-level diagrams

5.1ii: Correlate spectral lines with an energy-level diagram

Key Idea 4
4.1ii: 0
4.1iii: 0
4.1xiii: 3
4.3iv: 3
4.3v: 0

Key Idea 5
5.1i: 0
5.1ii: 0
5.1iii: 1
5.1iv: 1
5.1ix: 0
5.1x: 0
5.1xi: 0
5.1xii: 0
5.1xiii: 0
5.3i: 0
5.3ii: 0

Standard 7
Key Idea 2: 0