

Simply Marvelous Machines

Correlation to National Science Education Standards

K-4

Science as Inquiry: A

- * Understanding about scientific inquiry: asking and answering questions and comparing

Physical Science: B

- * Position and motion of objects: can be changed by pushing or pulling

Science and Technology: E

- * Abilities of technology design: implementing proposed solutions
- * Understanding about science and technology: invent tools to solve problem, tools help scientists
- * Abilities to distinguish between natural objects and objects made by humans: objects design and made by people to enhance life

5-8

Science as inquiry: A

- * Abilities necessary to do Scientific Inquiry: Think critically about evidence

History and Nature of Science: G

- * Nature of Science: evaluate results

MISSOURI GRADE LEVEL EXPECTATIONS:

3rd Grade:

Strand 7 Scientific Inquiry: Aa, Ab, Bd, Cb, Db

4th Grade:

Strand 2 Force & Motion: Aa, Ab, Ac, Ba

Strand 7 Scientific Inquiry: Aa, Ac, Bd, Cb, Db

5th Grade:

Strand 2 Force & Motion: Aa, Fa, Fb, Fc, Fd

Strand 7 Scientific Inquiry: Aa, Ac, Be, Cb, Db

6th Grade:

Strand 7 Scientific Inquiry: Aa, Cb, Db

Strand 8 Science, Technology, & Human activity: Aa

7th Grade:

Strand 2 Force & Motion: Fa, Fc, Fe(pre & post labs only)

Strand 7 Scientific Inquiry: Aa, Cb, Db

8th Grade:

Strand 7 Scientific Inquiry: Aa, Cb, Da, Db