

GRADE: 6 SUBJECT: Science QUARTER: 4

Students will...	IL State Standard
Identify all parts of the 1 st 20 elements w/atomic number, mass and symbol and distinguish between metal/nonmetal and gas/non-gas.	12.C.3b
Identify important contributions made by Mendeleeb.	13.B.3b
Design a Bohr Model.	12.C.3b
Design a comic book cover based on an element (2 elements/good vs. bad).	12.c.3b
Analyze data to construct an alien periodic table.	12.C.3b
Draw a Bohr Model on the first 20 elements.	12.C.3b
Identify atomic numbers, chemical symbols, atomic mass and name of first 20 elements.	12.c.3b
Ability to break down chemical formulas.	12.c.3b
Define and match matter vocabulary.	12.C.3a
Ability to measure matter.	12.c.3a
Use math skills to solve density equations.	12.C.3b
Use scales, graduated cylinders, and balance to solve problems involving mass, volume, and weight.	12.C.3a
Identify and describe the six simple machines.	12.D.3a
Explain the different ways that simple machines help human beings.	12.d.3a
Explain and demonstrate how forces affect motion.	12.D.3a
Write 3 column notes on the law of motion.	12.D.3b
Design and construct a pamphlet about Isaac Newton and the Laws of Motion.	12.D.3a
Students will run outside to participate in an acceleration lab.	12.D.3a
Compare acceleration data from given sets of data.	11.A.3c
Identify and explain how friction affects force.	11.A.3c