

GRADE: 8 SUBJECT: Science QUARTER: 1

Students will...	IL State Standard
Understand the process of Scientific Inquiry – Scientific Method	11.A.1a
Understand the process of Scientific Inquiry – Observation, measuring	11.a.2b
Understand the process of Scientific Inquiry – Qualitative/Quantitative	13.A.3b
Understand the process of Scientific Inquiry – Hypothesis/testing	11.A.3a
Understand the process of Scientific Inquiry – Safe Environment	11.A.1c
Demonstrate basic safety procedures – safety practice and handling	13.A.1a – 13.A.3a
Demonstrate Theories – Atomic theories	13.A.3b
Describe properties of matter/energy – Identify parts of periodic table	12.C.3b
Describe properties of matter/energy – Identify solid/liquid, gas	12.C.2b
Describe properties of matter/energy – Difference between elements, compounds, mixture.	12.C.3b
Describe properties of matter/energy – Atomic structure, ionic/covalent bonds, valence electrons, metallic bonds	12.C.4b
Describe properties of matter/energy – Bohr/Bohr-Rutheford Models	12.C.4b