Grade 7 Science Strand VIII Curriculum Map

Time Span	Interwoven Throughout All Units	Interwoven Throughout All Units	Interwoven Throughout All Units
Unit Name	Impact of Science, Technology & Human Activity	Impact of Science, Technology & Human Activity	Impact of Science, Technology & Human Activity
Essential Questions	The nature of technology is advanced by, and can advance, science as it seeks to apply scientific knowledge in ways that meet human needs.	Historical and cultural perspectives of scientific explanations help to improve understanding of the nature of science and how science knowledge and technology evolve over time.	Science and technology affect, and are affected by society.
McGraw Hill Text	p. 15 (GPS), p. 93 (steam engine), p. 156-157 (Technology), p. 213 (Insulation Homes), p.280 (Freeze Drying Foods), p. 388 (Airships), pg. 416 (air bag), pg 434 (light stick), p. 497 (Transistors) Ch 17.3 (Using Electromagnetic Waves), Ch 18.4 (optical Technology)	p. 155 Marie Curie, p. 522 Thomas Edison, Robert Hooke p, 47, 57, 65 Sir Isaac Newton	
Content	VIII.1.A Designed objects are used to do things better or more easily and to do some things that could not otherwise be done at all. VIII.1.B Advances in technology often result in improved data collection and an increase in scientific information. VIII.1.C Technological solutions to problems often have drawbacks as well as benefits.	VIII.2.A People of different gender and ethnicity have contributed to scientific discoveries and the invention of technological innovations. All Units VIII.2.B Scientific theories are developed based on the body of knowledge that exists at any particular time and must be rigorously questioned and tested for validity. All Units	VIII.3.B B. Social, political, economic, ethical, and environmental factors strongly influence and are influenced by the direction of progress of science and technology.