

GRADE 8 SCIENCE CURRICULUM SUMMARY

The purpose of the curriculum summary is to present an overview of the curriculum. Parents, community, and teachers of other disciplines are the intended audience of the curriculum summary.

Structure and Properties of Matter	Classification and The Cell
<ul style="list-style-type: none">• Structure of matter• Periodic table of elements• Atoms, elements, mixtures and compounds• Physical and chemical properties	<ul style="list-style-type: none">• Domains and Kingdoms• Classification• Components of the Cell• Cell Processes - photosynthesis, cell respiration, osmosis, mitosis

Interactions of Matter and Energy	Heredity and Genetics
<ul style="list-style-type: none">• Physical and chemical changes• Components of a chemical reaction• Rates of chemical reactions	<ul style="list-style-type: none">• Probability and Heredity• The Cell and Inheritance• The DNA Connection• Human Inheritance and Genetic Disorders