

Science Curriculum Map for grade 7

Unit Names / Topics	Strand/ Substrand	Standard	Benchmark	Key Learnings	Possible Activities Used	Possible Resources Used	Possible Assessments of Learning
Structure of Matter	II. Physical Science A. Structure of Matter	4. Understand that matter is made of small particles and this explains the properties of matter.	1. Know that there are more than 100 different elements with unique properties.	Matter is made of about 100 elements which determine the properties of that matter.	Mineral ID tests, Periodic table discussion/activity	Lab supplies and templates, textbook (p. 44-56)	Lab report from mineral ID lab, worksheets
			2. Use evidence to explain that matter is made of small particles called atoms or molecules which are too small to see.	Matter is made of molecules.	Pressure labs, Thermal Expansion of Matter Lab, demos, and video, States of Matter Labs	Lab supplies and templates, textbook (p. 44-56), video	Lab reports, Exams, Worksheet
			3. Know that the mass of a substance remains constant whether it is together, in parts or in a different state.	Mass remains constant whether it is together or in a different state.	States of Matter Labs, Ball of clay demo, Thermal Expansion demo/lab,	Lab supplies and templates	Lab reports, Exams, Worksheet
			4. Describe the states of matter in terms of the space between particles.	Matter is the space between particles.	States of Matter Labs (freezing, melting, boiling and condensing)	Lab supplies and templates, poster/chart	Lab reports, Exams, Worksheet