

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 |