Ms. SherinAhmed
Yearly Plan 2022- 2023

August 30, 2022-November 3, 2022	November 6, 2022-January 19, 2023	January 22, 2023-March 20, 2023	March 21, 2023-June 3, 2023
Grade 8 Science			
Lab Safety Rules Lesson 1- Introduce main lab safety Rule **The Scientific Method** Lesson 1 – Introduction to the main 6 steps of the scientific Method **Module G – Earth and Human Activity** **Unit 1 – Earth's natural hazards** Lesson 1: Natural hazard Lesson 2: Natural hazard protection Lesson 3: Engineer it: Reducing the effects of natural hazards **Unit 2 – Resources in Earth systems** Lesson 1: Natural resources Lesson 2: The distribution of natural resources **Unit 3 – Using resources** Lesson 1: Human population and resources use Lesson 2: Resource use and Earth's system **Unit 4- Human impacts on Earth systems** Lesson 1: Human impacts on the environment Lesson 2: Engineer it: Reducing human impacts on the environment Lesson 3: Climate change	**Module I – Energy and Energy Transfer** **Unit 5 – Energy** Lesson 1: Introduction to energy Lesson 2: Kinetic and potential energy Lesson 3: Engineer it: Transforming potential energy **Unit 6 – Energy transfer** Lesson 1: Changes in energy Lesson 2: Temperature and heat Lesson 3: Engineer it: Thermal energy transfer in systems	**Module L – Waves and Their Applications** **Unit 7 – Waves** Lesson 1: Introduction to waves Lesson 2: The behavior of mechanical waves Lesson 3: Light waves Lesson 4: The behavior of light waves **Unit 8 – Information transfer** Lesson 1: Communication and waves Lesson 2: Analog and digital signals Lesson 3:Communication technology	**Module J – Chemistry** **Unit 9 – The structure of matter** Lesson 1: The properties of matter Lesson 2: Atoms and elements Lesson 3: Molecules and extended structures **Unit 10 – States of matter and changes of state** Lesson 1: States of matter Lesson 2: Changes of state **Unit 11 – Chemical processes and equations** Lesson 1: Chemical reactions Lesson 2: Chemical equations Lesson 3: Engineer it. Thermal energy and chemical processes. **Unit 12 – The chemistry of materials** Lesson 1: Natural and synthetic materials Lesson 2: Engineer it: The life cycle of synthetic materials.