Water Drop Science Curriculum Connections

Lesson #1: "The Water we Drink" Grades 4 -12 *will fit into the following*

Alberta

Science Grade 2 – Topic A: Exploring Liquids
Science Grade 4 – Topic A: Waste and Our World
Science Grade 5 – Topic E: Wetland Ecosystems
Science Grade 6 – Topic E: Trees and Forests
Science Grade 7 – Unit B: Plants for Food and Fibre
Science Grade 8 – Unit E: Freshwater and Saltwater Systems
Science Grade 9 – Unit C: Environmental Chemistry
Science IOP Grade 9 – Understanding Our Environment
Science 10 (Gr 10) – Unit D: Energy Flow in Global Systems
Biology 20 (Gr 11) – Unit A: Energy and Matter Exchange in the Biosphere
Chemistry 20 (Gr 11) – Unit C: Matter as Solutions, Acids and Bases
Science 20 (Gr 11) – Unit B: Changes in Living Systems
Chemistry 30 (Gr 12) – Unit D: Chemical Equilibrium Focusing on Acid-Base Systems
Science 30 (Gr 12) – Unit B: Chemistry and the Environment
Science 30 (Gr 12) – Unit 4: Energy and the Environment

British Columbia

Science 4 – Earth and Space Science (Weather)
Science 7 – Life Science (Ecosystems)
Science 8 – Life Science (Social Issues)
Science & Technology 11 – Environment and Resources (Module 6: Pollution)
Earth Science 11 – Oceanographic Science (Oceans)
Chemistry 12 – Acids, Bases, and Salts (Buffer Solutions) Chemistry 12 – Oxidation-Reduction
Geology 12 – Superficial Processes (Ground Water)

Manitoba

Grade 8 Science - Water Systems on Earth
Grade 11 Chemistry - Topic 4: Solutions
Grade 12 Chemistry - Unit 1: Aqueous Solutions
Senior 3 (Gr 11) Current Topics in the Sciences - General Learning Outcome B: Science, Technology, Society, and the Environment
Senior 3 (Gr 11) Current Topics in the Sciences - General Learning Outcome C: Scientific and Technological Skills and Attitudes

Grade 12 Interdisciplinary Topics in Science 40S - GLO B: Science, Technology, Society and the Environment
Grade 12 Interdisciplinary Topics in Science 40S - GLO C: Scientific and Technological Skills and Attitudes
Grade 12 Interdisciplinary Topics in Science 40S - GLO D: Essential Science Concepts

New Brunswick

Grade 2 Science – Unit 2: Air and Water
Grade 3 Science – Unit 2: Earth and Space Science: Exploring Soils
Environmental Science 122/123 (Gr 12) – Unit 2: Sustainable Development
Environmental Science 122/123 (Gr 12) – Unit 3: Pollution

Newfoundland

Grade 2 Science – Unit 2: Air and Water
Grade 3 Science – Unit 2: Earth and Space Science: Exploring Soils
Science, Technology, and Society 2206 (Gr 11) – Module 8: Agriculture
Science, Technology, and Society 2206 (Gr 11) – Module 7: Forestry
Environmental Science 3205 (Gr 12) – Unit 2: Local Environmental Issues
Earth Systems 3209 (Gr 12) – Unit 2: The Earth's Systems

Northwest Territories

Science Grade 7 – Unit B: Plants for Food and Fibre
Science Grade 8 – Unit E: Freshwater and Saltwater Systems
Science Grade 9 – Unit C: Environmental Chemistry
Science 10 (Grade 10) – Unit D: Energy Flow in Global Systems
Science 20 (Grade 11) – Unit B: Changes in Living Systems
Science 30 (Grade 12) – Unit B: Chemistry and the Environment
Science 30 (Grade 12) – Unit D: Energy and the Environment

Nova Scotia

Grade 2 Science – Unit 2: Air and Water
Grade 3 Science – Unit 2: Earth and Space Science: Exploring Soils

Ontario

Chemistry Grade 11 (University Preparation) – Solutions and Solubility
Chemistry Grade 12 (University Preparation) – Chemistry in the Environment
Earth and Space Science (Grade 12, University Preparation) – Internal and Superficial Earth Processes
Earth and Space Science Grade 12 (University Preparation) – Earth Materials
Science Grade 9 (Academic) – Biology: Reproduction
Science Grade 10 (Applied) – Biology: Ecosystems and Human Activity
Science Grade 10 (Academic) – Biology: The Sustainability of Ecosystems
Science Grade 11 (University/College Preparation) – Everyday Chemicals and Safe Practices
Science Grade 11 (Workplace Preparation) – Human Impact on the Environment
Science Grade 11 (Workplace Preparation) – Materials and Safety
Science Grade 11 (University/College Preparation) –Waste Management
Science Grade 12 (University/College Preparation) – Energy Alternatives and Global Impact
Science Grade 12 (Workplace Preparation) – Alternative Environments
Science and Technology Grade 1 – Life Systems: Characteristics and Needs of Living Things
Science and Technology Grade 2 – Life Systems: Growth and Changes in Animals
Science and Technology Grade 2 – Matter and Materials: Properties of

Liquids and Solids
Science and Technology Grade 2 – Earth and Space Systems: Air and Water in the Environment
Science and Technology Grade 2 – Energy and Control: Energy from Wind and Moving Water
Science and Technology Grade 3 – Life Systems: Growth and Changes in Plants
Science and Technology Grade 4 – Life Systems: Habitats and Communities
Science and Technology Grade 5 – Energy and Control: Conservation of Energy
Science and Technology Grade 5 – Earth and Space Systems: Weather
Science and Technology Grade 6 – Structures and Mechanisms: Motion
Science and Technology Grade 6 – Energy and Control: Electricity
Science and Technology Grade 7 – Life Systems: Interactions within Ecosystems
Science and Technology Grade 7 – Matter and Materials: Pure Substances and Mixtures
Science and Technology Grade 7 – Energy and Control: Heat
Science and Technology Grade 8 – Earth and Space Systems: Water Systems

Prince Edward Island

Grade 2 Science – Unit 2: Air and Water
Grade 3 Science – Unit 2: Earth and Space Science: Exploring Soils
Oceanography 621 (Grade 12) – Unit 3: Chemical Oceanography

Quebec

Ecology (Secondary 1) – Module I: Interrelationships
Physical Science 416-436 (Secondary 4) – Module III: Ionic Phenomena
General Biology (Secondary 5) – Module III: Research Topics
General Biology (Secondary 5) – Module II: Balance in Nature
Chemistry 534 (Secondary 5) – Module I: Research
Chemistry 534 (Secondary 5) – Module IV: Rate of Chemical Reactions
Chemistry 534 (Secondary 5) – Module V: Equilibrium in Chemical Reactions

Saskatchewan

Grade 1 Science – Earth
Grade 2 Science – Foods
Grade 2 Science – Air and Water
Grade 2 Science – Plant Growth
Grade 2 Science – Oceans
Grade 3 Science – Plant Structures and Adaptations
Grade 5 Science – Resources
Grade 5 Science – Oceans
Grade 7 Science – Resource Use
Grade 7 Science – Microorganisms
Grade 7 Science – Renewable Resources in Saskatchewan
Grade 8 Science – Plant Growth
Grade 8 Science – Adaptation and Succession
Grade 9 Science – The Atmosphere
Science 10 – Life Science: Sustainability of Ecosystems – SE1 – Explore cultural perspectives on sustainability
Science 10 – Life Science: Sustainability of Ecosystems – SE5 – Investigate human impact on ecosystems
Biology 20 (Gr 11) – Ecological Organization
Biology 20 (Gr 11) – Agricultural Botany of Saskatchewan
Chemistry 20 (Gr 11) – Consumer Chemistry
Chemistry 30 (Gr 12) – Solubility and Solutions
Chemistry 30 (Gr 12) – Acid-Base Equilibria

Yukon Territory

Geology 12 – Superficial Processes (Ground Water)
Science 4 – Earth and Space Science (Water)
Science 5 – Earth and Space Science (BC's Non-living Resources)
Science 8 – Life Science (Social Issues)
Chemistry 12 – Acids, Bases and Salts (Buffer Solutions)
Chemistry 12 – Oxidation-Reduction (Balancing Redox Reactions)
Earth Science 11 – Oceanographic Science (Oceans)
Science and Technology 11 – Environmental Resources (Module 6: Pollution)