



SCIENTIST IN RESIDENCE PROGRAM			
Science Lesson Plans Developed During 2004 – 2015			
Lesson Codes	Curriculum Areas, Science Units, and Lesson Plans	Lessons Developed for Grade(s)	Lessons Appropriate for Grade(s)
	Curriculum Area: Life Science		
Unit 1	Science Unit: Plants		
SRP0001	Lesson 1_ Seed Structure and Seed Dispersal	3	2 - 5
SRP0002	Lesson 2_ Seed Diversity	3	1 - 4
SRP0003	Lesson 3_ Seed Germination	3	1 - 5
SRP0004	Lesson 4_ Forest Ecosystem Field Trip	3	2 - 6
SRP0005	Lesson 5_ Plant Growth Light and Shade	3	2 - 6
SRP0006	Lesson 6_ Plant Parts and Their Function	3	2 - 5
SRP0007	Lesson 7_ Soil Composition	3	2 - 4
SRP0008	Lesson 8_ Using Plant Pigments as Natural Dyes	3	1 - 7
SRP0009	Lesson 9_ Land Plants and Algae	1 and 3	1 - 6
SRP0010	Lesson 10_ Plant Lifecycles	1 and 3	1 - 6
SRP0279	Lesson 11_ Plant Collectors	1 - 2	1 - 7
Unit 2	Science Unit: Plants and Ecosystems (includes French Immersion content)		
SRP0011	Lesson 1_ Let's Sort A Salad_ Partageons une Salade	2 - 3	1 - 4
SRP0012	Lesson 2_ Super Seeds_ Super Graines	2 - 3	1 - 4
SRP0013	Lesson 3_ Plants Alive! How Plants Grow and Move_ Plantes Vivantes!	2 - 3	1 - 4
SRP0014	Lesson 4_ Examining Ecosystems_ Examinons les ecosystems	2 - 3	1 - 4
SRP0015	Lesson 5_ Fun with Food Chains_ Amusons-nous avec les Chaînes Alimentaires	2 - 3	1 - 7
SRP0016	Lesson 6_ Fun with Plants that We Use_ Des Plantes Bien Utiles	2 - 3	1 - 7
Unit 3	Science Unit: Growing Plants		
SRP0017	Lesson 1_ Plant Reproduction	3 - 5	2 - 7
SRP0018	Lesson 2_ Designing a Germination Experiment - Part 1	3 - 5	2 - 7
SRP0019	Lesson 3_ Designing a Germination Experiment - Part 2	3 - 5	2 - 7
SRP0020	Lesson 4_ Microscopy Exercises	3 - 5	2 - 7
SRP0021	Lesson 5_ Contrasting Landscapes - UBC Farm Field Trip	3 - 5	2 - 7
SRP0211	Lesson 6_ Effects of Salt on Germination	4	2 - 7
Unit 4	Science Unit: Plants and Animals Through the Stages of Ecological Life		
SRP0022	Lesson 1_ The Scientists' Way	6 - 7	3 - 7
SRP0023	Lesson 2_ Plant and Animal Cells - Are they different?	6 - 7	3 - 7
SRP0024	Lesson 3_ Organisms - Their Needs	6 - 7	4 - 7
SRP0025	Lesson 4_ Populations - The Survival of the Fittest (Part 1)	6 - 7	4 - 7
SRP0026	Lesson 5_ Populations - The Survival of the Fittest (Part 2)	6 - 7	4 - 7
SRP0027	Lesson 6_ Ecosystems - Plants and Animals Finally Together!	6 - 7	4 - 7
Unit 5	Science Unit: Animal Growth and Changes		
	Introductory Discussion - Thinking Like a Scientist	2 - 3	1 - 7
SRP0262	Lesson 1_ Measuring Living Things	2 - 3	1 - 7
SRP0263	Lesson 2_ How Does Temperature Affect Animals	2 - 3	1 - 7
SRP0264	Lesson 3_ Field trip to George C. Reifel Bird Sanctuary	2 - 3	1 - 7
SRP0265	Lesson 4_ Field trip to Hastings Park Pond	2 - 3	1 - 7
SRP0266	Lesson 5_ Metamorphosis	2 - 3	1 - 7
SRP0267	Lesson 6_ Owl Pellet Dissection	2 - 3	1 - 7
Unit 6	Science Unit: Plants 'n' Bugs		
SRP0028	Lesson 1_ Flowers and Pollination	2	2 - 5
SRP0029	Lesson 2_ Insects around Us	2	2 - 5
SRP0030	Lesson 3_ Pollination Experiment	2	2 - 5
SRP0031	Lesson 4_ Bugs in the Woods	2	2 - 5
SRP0225	Lesson 5_ Plant Colours and Smells	K - 1	2 - 7



Lesson Codes	Curriculum Areas, Science Units, and Lesson Plans	Lessons Developed for Grade(s)	Lessons Appropriate for Grade(s)
Unit 7			
Science Unit: Temperate Forest			
SRP0032	Lesson 1_ Exploring Forest Objects	1 - 2	K - 3
SRP0033	Lesson 2_ Pacific Spirit Forest Field Trip	1 - 2	1 - 4
SRP0034	Lesson 3_ Lynn Canyon Field Trip	1 - 2	1 - 7
SRP0035	Lesson 4_ Layers of the Forest	1 - 2	K - 4
SRP0036	Lesson 5_ Layers of the Forest - Leaf Litter	1 - 2	1 - 7
SRP0037	Lesson 6_ Trees and Erosion	1 - 2	1 - 7
SRP0038	Lesson 7_ Comparing Deciduous and Evergreen Trees	1 - 2	1 - 4
SRP0039	Lesson 8_ Comparing Deciduous and Evergreen Trees - Extension	1 - 2	1 - 4
SRP0040	Lesson 9_ Tree Birthdays	1 - 2	1 - 5
SRP0041	Lesson 10_ Making a Human Tree	1 - 2	1 - 3
SRP0042	Lesson 11_ The Way a Tree Works	1 - 2	1 - 7
SRP0043	Lesson 12_ Forest Decomposition	1 - 2	1 - 4
SRP0044	Lesson 13_ Under our Feet	1 - 2	1 - 3
SRP0045	Lesson 14_ Forest Food Chains and Webs	1 - 2	1 - 5
SRP0046	Lesson 15_ Forest as a Filter	3 - 4	3 - 7
SRP0047	Lesson 16_ Dissecting Owl Pellets	3 - 4	2 - 6
SRP0048	Lesson 17_ Tree Top Canopy Field Trip	1 and 3	1 - 6
SRP0049	Lesson 18_ Pond Life	1 - 2	1 - 7
SRP0050	Lesson 19_ Making Recycled Paper	1 - 2	1 - 7
SRP0212	Lesson 20_ Uses of Forest Plants by Lower Mainland First Nations Peoples	4	2 - 7
Unit 8			
Science Unit: Forest Ecosystem			
SRP0051	Lesson 1_ Trophic Levels	1 - 2	1 - 5
SRP0052	Lesson 2_ Producers - Focus on Trees	1 - 2	1 - 4
SRP0053	Lesson 3_ What do snails eat?	1 - 2	1 - 4
SRP0054	Lesson 4_ Decomposers - Nurse Logs	1 - 2	1 - 4
SRP0055	Lesson 5_ Decomposers - Terrarium	1 - 2	1 - 4
SRP0056	Lesson 6_ Exploring a Forest - Field Trip to Lynn Canyon	1 - 2	1 - 4
SRP0057	Forest Ecosystem Citations and Source Information for Photos		
Unit 9			
Science Unit: Decomposers and Recyclers			
SRP0274	Lesson 1_ The World of Fungi	K - 3	K - 7
SRP0275	Lesson 2_ Snails and Slugs	K - 3	K - 5
SRP0276	Lesson 3_ Wood Bugs	K - 3	K - 5
SRP0277	Lesson 4_ Field Trip to Burns Bog	K - 3	K - 7
Unit 10			
Science Unit: Soils, Plants, and First Nations			
SRP0058	Lesson 1_ Making a Soil Separator	1 - 3	1 - 5
SRP0059	Lesson 2_ Earthworms and Making a Wormery	1 - 3	1 - 5
SRP0060	Lesson 3_ Parts of a Flower and Pollination	1 - 3	1 - 5
SRP0061	Lesson 4_ Western Red Cedar	1 - 3	1 - 5
SRP0062	Lesson 5_ First Nations Plants and their Uses	1 - 3	1 - 5
SRP0063	Lesson 6_ Richmond Nature Park Fieldtrip	1 - 3	1 - 5
Unit 11			
Science Unit: Urban Biology			
SRP0064	Lesson 1_ Habitat Choice In Wood bugs	6 - 7	4 - 7
SRP0065	Lesson 2_ Can Fish Detect Odours?	6 - 7	4 - 7
Unit 12			
Science Unit: Ecologists Grow a Garden			
SRP0250	Lesson 1_ Garden Ecosystem	4 - 5	2 - 7
SRP0251	Lesson 2_ The Northwestern Crow - Think Like a Scientist	4 - 5	2 - 7
SRP0252	Lesson 3_ Habitat Garden	4 - 5	2 - 7
SRP0253	Lesson 4_ Blue Orchard Mason Bee	4 - 5	2 - 7
SRP0254	Lesson 5_ UBC Farm and Forest Field Trip	4 - 5	2 - 7
SRP0255	Lesson 6_ Compare Invertebrate Diversity: School Ground and Forest	4 - 5	2 - 7
SRP0256	Grade 4_ Organism Research Workbook	4 - 5	4 - 7
SRP0257	Grade 5_ Organism Research Workbook	4 - 5	4 - 7
SRP0281	Lesson 7_ Garden Soil Earthworm Census	2 - 3	K - 7



Lesson Codes	Curriculum Areas, Science Units, and Lesson Plans	Lessons Developed for Grade(s)	Lessons Appropriate for Grade(s)
Unit 13	Science Unit: Discovering Life in Local Habitats		
SRP0179	Lesson 1_Urban Life: What Lives in Our School Yard?	1 - 2	K - 7
SRP0180	Lesson 2_Urban Life: What Lives in Our Local Park?	1 - 2	K - 7
SRP0181	Lesson 3_Rainforest Life: UBC Botanical Garden Field Trip	1 - 2	K - 7
SRP0182	Lesson 4_Forest Life: Wood Bug Study	1 - 2	K - 7
SRP0183	Lesson 5_Beach Life: Clam Dissection	1 - 2	K - 7
SRP0184	Lesson 6_Beach Life: Spanish Banks Field Trip	1 - 2	K - 7
SRP0219	Lesson 7_Animals in Winter	K - 1	K - 7
SRP0221	Lesson 8_Bears	K - 1	K - 7
SRP0222	Lesson 9_Worms	K - 1	K - 7
SRP0288	Lesson 10 What is a Habitat?	2 - 4	1 - 7
SRP0289	Lesson 11 Introduction to Pond Specimens	2 - 4	1 - 7
SRP0290	Lesson 12 Identifying Pond Animals	2 - 4	1 - 7
SRP0291	Lesson 13 Field Trip to Jericho Pond	2 - 4	1 - 7
SRP0292	Lesson 14 Introduction to Forest Habitats	2 - 4	1 - 7
SRP0293	Lesson 15 Identifying Forest Trees and Plants	2 - 4	1 - 7
Unit 14	Science Unit: Ecosystem Models		
SRP0066	Lesson 1_Measurement of Biotic and Abiotic Objects	6 - 7	4 - 7
SRP0067	Lesson 2_Food Webs and Making Miniature Ecosystems	6 - 7	4 - 7
SRP0068	Lesson 3_Modeling Changes to Ecosystems Part 1	6 - 7	4 - 7
SRP0069	Lesson 4_Modeling Changes to Ecosystems Part 2	6 - 7	4 - 7
SRP0070	Lesson 5_Stanley Park and Aquarium Field Trip	6 - 7	4 - 7
SRP0071	Lesson 6_Models as Tools for Ecosystem Management	6 - 7	4 - 7
Unit 15	Science Unit: Pacific Salmon and Mountain Pine Beetle		
SRP0072	Lesson 1_Fish Anatomy	2	2 - 7
SRP0073	Lesson 2_Fish Hazards	2	2 - 7
SRP0217	Lesson 2_Sea Lice Handout	5 - 6	3 - 7
SRP0074	Lesson 3_Salmon Migration	2	1 - 4
SRP0075	Lesson 4_Forest Ecology	2	1 - 4
SRP0076	Lesson 5_Mountain Pine Beetle	2	1 - 7
Unit 16	Science Unit: The Journey of the Pacific Salmon		
SRP0077	Lesson 1_From Stream to Sea	3	2 - 5
SRP0078	Lesson 2_The Salmon Stream & Vegetation	3	2 - 5
SRP0079	Lesson 3_The Salmon Estuary & Human Impacts	3	2 - 5
SRP0080	Lesson 4_Salmon in the Open Ocean & Fishing	3	2 - 5
SRP0081	Lesson 5_Salmon & Non-Native Species	3	2 - 5
SRP0082	Lesson 6_Salmon in the Stream & Fishing	3	2 - 5
SRP0214	Lesson 7_Salmon Anatomy	5 - 6	2 - 7
SRP0215	Lesson 8_Salmon Eggs and Redds	5 - 6	K - 7
SRP0216	Lesson 9_Smolting	5 - 6	3 - 7
SRP0218	Lesson 10_Salmon Migration: Changing Appearances	5 - 6	3 - 7
SRP0310	Lesson 11 The Water Cycle	K - 2	K - 4
SRP0311	Lesson 12 Recording the Catch	K - 2	K - 4
SRP0312	Lesson 13 Salmon Eggs and their Habitats	K - 2	K - 4
SRP0313	Lesson 14 Salmon Anatomy and Dissection (Primary)	K - 2	K - 4
SRP0314	Lesson 15 Predators and Prey Mystery Box	K - 2	K - 4
Unit 17	Science Unit: Aquatic Ecosystems		
SRP0083	Lesson 1_Exploring Marine Objects	K and 3	K - 7
SRP0084	Lesson 2_Marine Organisms	K and 3	K - 7
SRP0085	Lesson 3_Marine Field Trip to Whytecliff Park	K and 3	K - 7
SRP0086	Lesson 4_Ponds and Pond Organisms	K and 3	K - 7
SRP0087	Lesson 5_Pond Food Chains and Webs	K and 3	K - 7
SRP0088	Lesson 6_Burnaby Lake Field Trip	K and 3	K - 7
SRP0089	Lesson 7_Water Cycle and Ecosystems	K and 3	K - 7
SRP0090	Aquatic Ecosystems_VSB media bookings	K and 3	K - 7
SRP0213	Lesson 8_Seaweed Identification	4	2 - 7
SRP0243	Lesson 9_Sandy Beach Study	K - 3	K - 7



Lesson Codes	Curriculum Areas, Science Units, and Lesson Plans	Lessons Developed for Grade(s)	Lessons Appropriate for Grade(s)
Unit 18	Science Unit: Marine Critters & Communities (*worksheets include French Immersion content)		
SRP0091	*Lesson 1_Ocean Exploration	2 - 3	1 - 6
SRP0092	Lesson 2_Animals & Plants of BC's Rocky Shore - Habitat Preferences	2 - 3	1 - 6
SRP0093	*Lesson 3_Animals & Plants of BC's Rocky Shore - Species Interactions	2 - 3	1 - 6
SRP0094	Lesson 4_Rocky Shore Field Trip	2 - 3	1 - 6
SRP0095	Lesson 5_Marine Animal & Plant Adaptations	2 - 3	1 - 6
SRP0096	Lesson 6_People & the Ocean	2 - 3	1 - 6
SRP0233	Lesson 7_Introduction to the Life of a Marine Scientist	7	5 - 7
SRP0234	Lesson 8_Understanding Ocean Acidification with Brine Shrimp	7	4 - 7
SRP0235	Lesson 9_Exploring Intertidal Biodiversity	7	4 - 7
SRP0236	Lesson 10_Intertidal Field Trip to Jericho Beach	7	4 - 7
SRP0237	Lesson 11_Intertidal Field Trip to Stanley Park	7	4 - 7
SRP0238	Lesson 12_The Role of Sound in the Lives of Marine Animals	7	5 - 7
Unit 19	Science Unit: Meet Me at the Beach		
SRP0315	Lesson 1_What's at the Beach?	K	K - 3
SRP0316	Lesson 2_Primary Intertidal Field Trip #1	K	K - 3
SRP0317	Lesson 3_Plant and Algae Specimen Study	K	K - 3
SRP0318	Lesson 4_Primary Intertidal Field Trip #2	K	K - 3
SRP0319	Lesson 5_The Water is Alive with Plankton!	K	K - 3
Unit 20	Science Unit: Biodiversity and Extreme Environments		
SRP0206	Lesson 1_Extreme Environments	5, 6, and 7	4 - 8
SRP0207	Lesson 2_Deep Sea Vents	5, 6, and 7	4 - 8
SRP0208	Lesson 3_Measuring Biodiversity	5, 6, and 7	4 - 8
SRP0209	Lesson 4_Intertidal Field Trip	5, 6, and 7	4 - 8
SRP0210	Lesson 5_Analyzing Intertidal and Deep Sea Vent Communities	5, 6, and 7	4 - 8
Unit 21	Science Unit: Biodiversity of Local Habitats		
SRP0239	Lesson 1_Exploring an Ecosystem	5, 6, and 7	2 - 7
SRP0278	Lesson 2_Field Trip to Camosun Bog	5, 6, and 7	2 - 7
SRP0280	Lesson 3_Field Trip to Beaty Biodiversity Museum	6 and 7	4 - 8
Unit 22	Science Unit: Living With Oxygen		
SRP0269	Lesson 1_Experimental Design - Breath Hold Ability	7	6 - 7
SRP0270	Lesson 2_Oxygen Consumers - Mammalian Diving Response	7	6 - 7
SRP0271	Lesson 3_Researching and Communicating Science	7	6 - 7
SRP0272	Lesson 4_Oxygen Producers - Plants and The Cycle of Life	7	6 - 7
SRP0273	Lesson 5_Beaty Biodiversity Museum Field Trip	7	6 - 7
Unit 23	Science Unit: Human Anatomy - How Do We Move?		
SRP0097	Lesson 1_The Skeletal System	3 - 5	3 - 7
SRP0098	Lesson 2_The Muscular System	3 - 5	3 - 7
SRP0099	Lesson 3_The Circulatory System	3 - 5	3 - 7
SRP0100	Lesson 4_The Respiratory System	3 - 5	3 - 7
SRP0101	Lesson 5_The Digestive System	3 - 5	3 - 7
SRP0102	Lesson 6_The Nervous System	3 - 5	3 - 7
Unit 24	Science Unit: Animals, Matter and Mankind in the Environment		
SRP0294	Lesson 1_States of Matter - Oobleck and Baking Soda Eruption	K - 3	K - 4
SRP0295	Lesson 2_Water, Whales and Sound	K - 3	K - 4
SRP0296	Lesson 3_Timeline of Life	K - 3	K - 4
SRP0297	Lesson 4_Leatherback Satellite Tag Simulation	K - 3	K - 4
Unit 25	DNA		
SRP0258	Lesson 1_DNA	1 - 3	K - 7
SRP0103	Stereo Microscope Lesson	2	1 - 7
	Curriculum Area: Physical Science		
Unit 26	Science Unit: Force and Motion		
SRP0104	Lesson 1_Force and Motion - Part 1	1 - 2	1 - 5
SRP0105	Lesson 2_Force and Motion - Part 2	1 - 2	1 - 5
SRP0241	Lesson 3_Sledding and Friction	K - 3	K - 7
SRP0320	Lesson 4_Potential and Kinetic Energy	5 - 7	5 - 7
SRP0321	Lesson 5_Levers, Fulcrums and Pulleys	5 - 7	5 - 7
SRP0322	Lesson 6_Water Wheels and Gravitational Energy	5 - 7	5 - 7



Lesson Codes	Curriculum Areas, Science Units, and Lesson Plans	Lessons Developed for Grade(s)	Lessons Appropriate for Grade(s)
Unit 27	Science Unit: Matter		
SRP0106	Lesson 1_Solids Liquids and Gases - Part 1	1 - 2	1 - 4
SRP0107	Lesson 2_Solids Liquids and Gases - Part 2	2 - 3	1 - 4
SRP0108	Lesson 3_Physical Changes to Matter	1 - 2	1 - 4
SRP0109	Lesson 4_Changing States of Matter - Making Ice Cream	2 - 3	1 - 4
SRP0110	Lesson 5_Heat and Matter	2 - 3	1 - 4
SRP0111	Lesson 6_Chemical Changes to Matter - Part 1	1 - 2	1 - 4
SRP0112	Lesson 7_Chemical Changes to Matter - Part 2	2 - 3	1 - 5
SRP0113	Lesson 8_Density and Mass	1 - 2	1 - 4
SRP0114	Lesson 9_Mixtures of Matter - Part 1	1 - 2	1 - 4
SRP0115	Lesson 10_Mixtures of Matter - Part 2	1 - 4	1 - 4
SRP0116	Lesson 11_Solutions and Suspensions	2 - 3	1 - 4
SRP0260	Lesson 12_Combining Solids and Liquids - Free Experimentation	1 - 3	1 - 4
SRP0282	Lesson 13_Changing States of Matter in Food	2 - 3	2 - 7
SRP0283	Lesson 14_Conduction, Insulation and Convection	2 - 3	2 - 7
SRP0284	Lesson 15_Heat and Rates of Reaction	2 - 3	2 - 7
Unit 28	Science Unit: Science of Cooking		
SRP0224	Lesson 1_Science of Bread and Butter	K - 1	K - 7
	Science Unit: Plastics		
SRP0117	Lesson 1_Field Trip - Vancouver Landfill	4 - 6	1 - 7
SRP0118	Lesson 2_Introduction to the Scientific Method - Part 1	4 - 6	3 - 7
SRP0119	Lesson 3_Introduction to the Scientific Method - Part 2	4 - 6	3 - 7
SRP0120	Lesson 4_What is Plastic?	4 - 6	1 - 7
SRP0121	Lesson 5_Bioplastic	4 - 6	1 - 7
Unit 29	Science Unit: Structures		
SRP0122	Lesson 1_Structures in Your Neighbourhood	3 - 4	3 - 7
SRP0123	Lesson 2_Fascinating Fasteners	3 - 4	3 - 7
SRP0124	Lesson 3_Domes and Towers	3 - 4	3 - 7
SRP0125	Lesson 4_Building Bridges - Part 1	3 - 4	3 - 7
SRP0126	Lesson 5_Building Bridges - Part 2	3 - 4	3 - 7
SRP0127	Lesson 6_Structures Wrap Up	3 - 4	3 - 7
SRP0242	Lesson 7_Structures and Loads	K - 3	K - 7
SRP0285	Lesson 8_Building Sturdy Shapes	2 - 3	2 - 7
SRP0286	Lesson 9_Bridge Across Two Chairs Building Challenge	2 - 3	2 - 7
SRP0287	Lesson 10_Big Build	2 - 3	2 - 7
Unit 30	Science Unit: Physics Ideas		
SRP0128	Lesson 1_Measurement in Science	6 - 7	4 - 7
SRP0129	Lesson 2_Forces of Nature	6 - 7	6 - 7
SRP0130	Lesson 3_Structures - Directing Force	6 - 7	3 - 7
SRP0131	Lesson 4_Modifying Forces	6 - 7	5 - 7
SRP0132	Lesson 5_Gyroscopes	6 - 7	3 - 7
SRP0133	Lesson 6_Electromagnetism - Invisible Forces	6 - 7	6 - 7



Lesson Codes	Curriculum Areas, Science Units, and Lesson Plans	Lessons Developed for Grade(s)	Lessons Appropriate for Grade(s)
Unit 31	Science Unit: Electricity with Applications		
SRP0134	Lesson 1_Elements	5 - 6	5 - 7
SRP0135	Lesson 2_Series and Parallel Circuits	5 - 6	5 - 7
SRP0136	Lesson 3_Buzzer	6	5 - 7
SRP0137	Lesson 4_Electric Motors	6	5 - 7
SRP0138	Lesson 5_Speakers	6	5 - 7
SRP0185	Lesson 6_Field Trip to Stave Falls Generating Station	6	5 - 7
Unit 32	Science Unit: Concepts in Electricity		
SRP0298	Lesson 1 Taking a Scientific Approach	6	6 - 7
SRP0299	Lesson 2 Building Electromagnets	6	6 - 7
SRP0300	Lesson 3 Circuits in Series	6	6 - 7
SRP0301	Lesson 4 Parrallel Circuits	6	6 - 7
SRP0302	Lesson 5 Magnetic Fields and Iron Filings Art	6	6 - 7
Unit 33	Science Unit: The Electron: Conductivity and Chemistry		
SRP0226	Lesson 1_Introduction to the Scientist	6 - 7	1 - 7
SRP0227	Lesson 2_Particle Model of Matter	6 - 7	5 - 7
SRP0228	Lesson 3_How Batteries Work	6 - 7	6 - 7
SRP0229	Lesson 4_Making a Food Battery	6 - 7	5 - 7
SRP0230	Lesson 5_Making a Speaker	6	5 - 7
SRP0231	Lesson 6_Material Classification	7	5 - 7
SRP0232	Lesson 7_Building a Simple Motor	7	5 - 7
	Curriculum Area: Space Science		
Unit 34	Science Unit: Space		
SRP0139	Lesson 1_The Universe As We Know It!		
SRP0140	Lesson 2_Gravity - The Glue of the Universe!	2 - 3	2 - 6
SRP0141	Lesson 3_A Peek Into the Lives of Stars!	2 - 3	2 - 6
SRP0142	Lesson 4_How Hot and How Big?	2 - 3	2 - 6
SRP0143	Lesson 5_Twinkle Twinkle Little Star	2 - 3	2 - 6
SRP0144	Lesson 6_Our Star the Sun and its Friends the Planets	2 - 3	2 - 6
SRP0259	Lesson 7_Moon and Stars	1 - 3	1 - 7
SRP0303	Lesson 8 Moon Regolith	6 - 7	4 - 7
SRP0304	Lesson 9 The Sun and Seasons	6 - 7	4 - 7
SRP0305	Lesson 10 Rockets: Exploring the Solar System	6 - 7	4 - 7
SRP0306	Lesson 11 The Planets	6 - 7	4 - 7
SRP0307	Lesson 12 Dwarf Planets, Comets and Asteroids	6 - 7	4 - 7
SRP0308	Lesson 13 Spectroscopes and Light	6 - 7	4 - 7
SRP0309	Lesson 14 Black Holes	6 - 7	4 - 7
	Curriculum Area: Earth Science		
Unit 35	Science Unit: Water		
SRP0145	Lesson 1_Water Cycle	4 - 5	3 - 7
SRP0146	Lesson 2_Surface Water and Groundwater	4 - 5	2 - 6
SRP0147	Lesson 3_Water Pollution	4 - 5	2 - 6
SRP0148	Lesson 4_Pond Ecosystem Field Trip	4 - 5	2 - 6
SRP0149	Lesson 5_Daphnia	4 - 5	4 - 7
Unit 36	Science Unit: Water Quality		
SRP0150	Lesson 1_pH and Red Cabbage Juice	6 - 7	6 - 7
SRP0151	Lesson 2_Water Filtration	6 - 7	4 - 7
SRP0152	Lesson 3_Water Filtration with Plants	6 - 7	4 - 7
SRP0153	Lesson 4_Water Filtration Challenge	6 - 7	4 - 7
Unit 37	Science Unit: Marine Pollution		
SRP0154	Lesson 1_Modeling Estuaries	4 - 5	4 - 7
SRP0155	Lesson 2_Scientific Sampling	4 - 5	4 - 7
SRP0156	Lesson 3_Iona Wastewater Treatment Plant Field Trip	4 - 5	4 - 7
SRP0157	Lesson 4_Plastic Pollution	4 - 5	4 - 7
SRP0158	Lesson 5_Rubber Duckies and Ocean Currents	4 - 5	4 - 7
SRP0159	Lesson 6_Oil Spill Cleanup	4 - 5	4 - 7



Lesson Codes	Curriculum Areas, Science Units, and Lesson Plans	Lessons Developed for Grade(s)	Lessons Appropriate for Grade(s)
Unit 38	Science Unit: The Earth Around Us: Air, Water & Soil (*worksheets include French Immersion content)		
SRP0160	Introductory Activity - Thinking Like a Scientist	2	1 - 7
SRP0161	Lesson 1_ Water Cycle	2	1 - 7
SRP0162	Lesson 2_ Weathering	2	1 - 7
SRP0163	Lesson 3_ Erosion	2	1 - 7
SRP0164	Lesson 4_ What is Soil?	2	1 - 7
SRP0165	Lesson 5_ Worm Composting	2	1 - 7
SRP0166	Lesson 6_ Can Worms See?	2	1 - 7
SRP0191	Lesson 7_ The Scientific Method	2	1 - 7
SRP0192	*Lesson 8_ What is Air?	1 - 2	1 - 7
SRP0193	*Lesson 9_ Air Cannon	1 - 2	1 - 7
SRP0194	*Lesson 10_ States of Water	1 - 2	1 - 7
SRP0195	*Lesson 11_ What Happens to Water Before We Use It?	1 - 2	1 - 7
SRP0268	Lesson 11-2_ Extension - Tracking Water Consumption	4 - 5	1 - 7
SRP0240	Lesson 12_ Soil Analysis	K - 3	K - 7
SRP0261	Lesson 13_ Soil Composition and Erosion - Free Experimentation	1 - 3	K - 4
Unit 39	Science Unit: Resource Extraction and the Environment		
SRP0167	Lesson 1_ Biomes of the World (and Canada)	1 - 2	1 - 7
SRP0168	Lesson 2_ Ecological Impact of Wood Extraction	4 - 5	2 - 7
SRP0169	Lesson 3_ Ecological Impact of River Dams	4 - 5	4 - 7
SRP0170	Lesson 4_ Ecological Impact of Cyanide Heap	4 - 5	3 - 7
SRP0171	Lesson 5_ Obtaining food - The Impact of Over-fishing	4 - 5	4 - 7
		4 - 5	2 - 5
Unit 40	Science Unit: Renewable and Non-renewable Resources		
SRP0202	Lesson 1_ Exploring Fish Anatomy and Commercial Fishing Gear	4 - 5	1 - 6
SRP0203	Lesson 2_ Properties of Wood	4 - 5	2 - 7
SRP0204	Lesson 3_ Mining in BC	4 - 5	3 - 7
SRP0205	Lesson 4_ Mining & Bacterial Remediation	4 - 5	2 - 7
Unit 41	Science Unit: Geology and Plate Tectonics		
SRP0244	Lesson 1_ Describing Rocks and Minerals	6 - 7	3 - 7
SRP0245	Lesson 2_ Rock Families	6 - 7	3 - 7
SRP0246	Lesson 3_ Making Rocks - Exploring the Rock Cycle	6 - 7	2 - 7
SRP0247	Lesson 4_ Field Trip to Pacific Museum of the Earth	6 - 7	4 - 7
SRP0248	Lesson 5_ Plate Tectonics	6 - 7	2 - 7
SRP0249	Lesson 6_ Earthquakes	6 - 7	4 - 7
Unit 42	Science Unit: Climate Change		
SRP0172	Lesson 1_ Greenhouse Effect: Pop Bottle Experiment	5 - 7	5 - 7
SRP0173	Lesson 2_ Greenhouse Effect: A Computer Simulation	5 - 7	4 - 7
SRP0174	Lesson 3_ Earth Energy Budget Pre-lab	5 - 7	4 - 7
SRP0175	Lesson 4_ Earth Energy Budget Lab	5 - 7	4 - 7
SRP0176	Lesson 5_ Dirty Decomposers	5 - 7	4 - 7
SRP0177	Lesson 6_ Carbon Cycle	5 - 7	4 - 7
SRP0178	Lesson 7_ Glacier Dynamics	5 - 7	4 - 7
Unit 43	Science Unit: Weather and Seasons		
SRP0196	Lesson 1_ Winter Season	K, 1, and 2	K - 5
SRP0197	Lesson 2_ Mt. Seymour Winter Fieldtrip	K, 1, and 2	K - 7
SRP0198	Lesson 3_ Rain and Rainbows	K, 1, and 2	K - 5
SRP0199	Lesson 4_ Wind and Air Pressure	K, 1, and 2	K - 5
SRP0200	Lesson 5_ Storms and Extreme Weather	K, 1, and 2	K - 5
SRP0201	Lesson 6_ Central Park Field Trip	K, 1, and 2	K - 5
SRP0220	Lesson 7_ Crystals	K - 1	K - 7
SRP0223	Lesson 8_ Temperature, Wind, Frost and Dew	K - 1	K - 7