Acellus® Grade 4 Science

INTERNATIONAL ACADEMY OF SCIENCE Grade 4 Science Course Curriculum

| Half 4 Olassifications of Blants as 1.4. | 40. Farmanda Tamanda a |
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| Unit 1 - Classifications of Plants and Animals | 43 Forecasting Tornadoes |
| 1 The Building Blocks of Life | 44 Meteorologist |
| 2 Groupings of Living Things | 45 Meteorologist - Lab |
| 3 Plant Classifications | Unit 8 - Minerals and Rocks |
| 4 Animal Classifications | 46 Minerals |
| 5 Animal Adaptations | 47 Forming Sedimentary Rocks |
| 6 Wowza! Inquiry 1 | 48 Forming Metamorphic Rocks |
| Unit 2 - Energy from Plants | 49 Forming Igneous Rocks |
| 7 Characteristics of Plants | 50 Biography: Alfred Wegner |
| 8 Parts of Plants | Unit 9 - Surface Changes on Earth |
| 9 Plant Reproduction | 51 Earth's Surface Wearing Away |
| 10 The Life Cycle of a Plant | 52 Weathered Material's Movement |
| 11 Biography: Charles Darwin | 53 Volcanos |
| Unit 3 - Ecosystems | 54 Earthquakes |
| 12 Parts of Ecosystems | 55 Wowza! Pepper |
| 13 Energy Flow in Ecosystems | Unit 10 - Uses of Natural Resources |
| 14 Matter Flow in Ecosystems | 56 Natural Resources |
| 15 Wowza! Milk | 57 Resources Used for Energy |
| Unit 4 - Changes in Ecosystems | 58 Soil |
| 16 Balanced Ecosystems | 59 Geologist |
| 17 Competition | 60 Geologist – Lab |
| 18 Organisms' Interactions | Unit 11 - Properties of Matter |
| 19 Environmental Changes | 61 Matter |
| 20 Ways That People Disturb the Balance | 62 Measuring Matter |
| 21 Conserving the Balance | 63 Mixing Substances |
| 22 Biologist | 64 Matter Changes |
| 23 Biologist – Lab | 65 Physical Change |
| Unit 5 - Human Body Systems | 66 Chemical Change |
| 24 Skeletal System | 67 Phase Changes |
| 25 Muscular System | 68 Wowza! Baking Soda and Vinegar |
| 26 Respiratory System | Unit 12 - Heat |
| 27 Circulatory System | 69 Matter Containing Energy |
| 28 Digestive System | 70 Movement of Heat |
| 29 Nervous System | 71 Convection |
| 30 Viruses and Disease | 72 Radiation |
| 31 The Body's Defenses | 73 Chemist |
| 32 Optometrist – Lab | 74 Chemist – Lab |
| Unit 6 - Water Cycles and Weather | Unit 13 - Magnetism and Electricity |
| 33 Earth's Water | 75 Atoms |
| 34 Clouds | 76 Charging of Matter |
| 35 Atmosphere and Air Pressure | 77 Flow of Electric Charges |
| 36 Water Cycle | 78 Electricity Transformed to Magnetism |
| 37 Measuring Weather | 79 Magnetic Fields |
| 38 Predicting Weather | 80 Wowza! Jumping Flame |
| 39 Wowza! Magic Matches | Unit 14 - Light and Sound |
| Unit 7 - Hurricanes and Tornadoes | 81 Sound Energy |
| 40 Predicting Hurricanes | 82 Producing Sound |
| 41 Hurricanes | 83 Light Energy |
| 42 Tornadoes | 84 How Matter and Light Interact |

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| 85 Biography: Thomas Edison | 101 Saturn |
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| Unit 15 - Motion and Machines | 102 Uranus |
| 86 Motion | 103 Neptune |
| 87 How Force Affects Moving Objects | 104 Wowza! Rocket |
| 88 How Force, Mass, and Energy Relate | 105 Constellations |
| 89 Machines | 106 Eclipses |
| 90 How Machines Work Together | 107 Moon Phases |
| 91 Wowza! Crazy Chemistry | 108 Asteroid Belts |
| Unit 16 - Inner and Outer Planets | 109 Comets |
| 92 The Making of the Universe | 110 Moon |
| 93 Our Solar System | 111 Stars |
| 94 Revolution | 112 Sun |
| 95 Rotations | 113 Biography: Nicolas Copernicus |
| 96 Mercury | Unit 17 - Technology's Effects |
| 97 Venus | 114 How Technology Affects Our Lives |
| 98 Earth | 115 How Technology Changed Transportation |
| 99 Mars | 116 How Technology Changed Communication |
| 100 Jupiter | 117 Wowza! Inquiry 2 |

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