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| SGS Unit Timeline Matrix |
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Grade: 7TH Grade

Subject Area: SCIENCE

| Month | Standard(s) | Unit | Benchmark(s) | Examples of Skills (Activities): |
|---------------------------------|-------------|---|--|--|
| Example ~ Math 2nd Grade | 7A | Currency/Money | 7.A.1.c | *Add/Subtract using currency *Make change from \$1.00 |
| Aug./Sept. | 12 | Leaf Collection | 12.A.3c | Compare deciduous and gymnosperm leaves |
| | 13 | Safety | 13.A.3a | Safety Quiz |
| | 12 | Characteristics of Life, Simplest Organisms | 12.A.3c, 12.A.3a, 12.A.3b, 12.A 12.A | Label & identify cell parts/plant & animal Compare asexual vs. sexual reproduction Write the equation for respiration Compare active & passive transport |
| October/ November | 11, 12 | Environmental Science | 11.A.3c 11.B.3b 12.B.3a 12.B.3b 13.B.3a, 13.B.3d, 12.E.3c | Energy Use Graph Environmental Skits Identify abiobiotic & abiotic activity Bird beak comparison Environment skits |
| | | S2000 Lake Unit | 12.B.3a | Environmental problem at lake |
| December | 11, 13 | S2000 Lake Unit continued | 11.A.3e 13.A.3c | Graph algae and fish levels, Ph levels, pesticide levels and interpret data "The Thief" activity |
| January | 11, 13 | Scientific Method, Scientists | 11.A.3a 11.A.3b, 11.A.3d 13.A.3b, 13.B.3b | Deebert & Beulah battery scenario Test on scientific method & forming hypothesis Perform penny activity Scientists Research & present oral with a graphic |
| February | 11 | Machines | 11.A.3c 12.C.3a | Pulley activity Differentiate examples of kinetic & potential energy |
| | 12 | Astronomy | 12.F.3a, 12.F.3b, 12.F.3c | Compare plants as to size, gravity, atmosphere Page 87&7 Review & skills sheets Astronomy Presentation |
| March | 11 | Prepare for ISATS | 12.C.3a | Identify the ways in which types of energy changes form in different elevations |
| | 11 | Motion | 11.B.3a-11.B.3f | Mousetrap Vehicle |

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| April | 11 | Motion | 12.D.3a | Diagram all the forces in a situation Differentiate which of Newton's Laws is in effect in various situations |
| | 12 | Motion | 12.D.3b, 12.A.3a | List techniques to reduce friction Contrast weight & mass List the 4 basic types of diseases |
| May/June | 11.A | Crinoid Activity | 11.A.3e | Measure and graph |
| | 12.D & 12.F | | 12.D.3b, 12.F.3a | Recognize Newton's Law of Gravitation |

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