

WV CSO Curriculum Planning Tool Seventh Grade Science

| Standard | Objective | Projected Date | Date Taught | Date Assessed | Date Re-Taught | Date Re-Assessed |
|--------------------|--|----------------|-------------|---------------|----------------|------------------|
| Standard 1: | SC.7.1.1 scientists formulate & test | | | | | |
| | SC.7.1.2 scientific knowledge is subject to modification | | | | | |
| | SC.7.1.3 careers & contributions of men & women | | | | | |
| | SC.7.1.4 historical significance of scientific discoveries | | | | | |
| Standard 2: | SC.7.2.1 cooperate and collaborate | | | | | |
| | SC.7.2.2 observations, reasoning, objectivity perseverance & integrity in data | | | | | |
| | SC.7.2.3 skepticism, careful methods, reasoning & creativity | | | | | |
| | SC.7.2.4 scientific instruments to conduct explorations | | | | | |
| | SC.7.2.5 safe techniques | | | | | |
| | SC.7.2.6 demonstrate scientific processes & thinking skills | | | | | |
| | SC.7.2.7 charts, graphs & tables | | | | | |
| | SC.7.2.8 gather data; graph data; interpret data; & analyze information. | | | | | |
| | SC.7.2.9 inferential reasoning to make logical conclusions | | | | | |
| Standard 3: | SC.7.3.1 relationship between parts of system to whole | | | | | |
| | SC.7.3.2 models of an object, event or process. | | | | | |
| | SC.7.3.3 changes that occur in an object or system to its original state | | | | | |
| | SC.7.3.4 variation in scale on the way an object or system works | | | | | |
| Standard 4: | SC.7.4.1 interconnections of biological, earth & space & physical science | | | | | |
| | SC.7.4.2 disease causing organisms | | | | | |
| | SC.7.4.3 skeletal, muscular & integumentary systems | | | | | |
| | SC.7.4.4 cells, tissues and organs in living things. | | | | | |
| | SC.7.4.5 differentiate among living things with similar characteristics | | | | | |
| | SC.7.4.6 cyclical processes | | | | | |
| | SC.7.4.7 life cycles of plants & animals | | | | | |
| | SC.7.4.8 changes in environment led to reproductive adaptations | | | | | |
| | SC.7.4.9 organism's behavior response/heredity and environment. | | | | | |
| | SC.7.4.10 growth, development & reproduction of plants | | | | | |
| | SC.7.4.11 predict trends of interdependent populations | | | | | |
| | SC.7.4.12 chemicals into the ecosystem | | | | | |
| | SC.7.4.13 elements, compounds, homogeneous & heterogeneous mixtures | | | | | |
| | SC.7.4.14 evaluate types of solutions | | | | | |
| | SC.7.4.15 chemical reactions involving acids & bases | | | | | |
| | SC.7.4.16 write word equations to describe chemical reactions. | | | | | |
| | SC.7.4.17 particles & conservation of matter | | | | | |
| | SC.7.4.18 trace the energy flow during phase changes | | | | | |
| | SC.7.4.19 light and sound waves | | | | | |
| | SC.7.4.20 investigate application of lenses to science | | | | | |
| | SC.7.4.21 identify characteristics of AC and DC circuits. | | | | | |
| | SC.7.4.22 conservation of matter and energy | | | | | |
| | SC.7.4.23 simple machines; vectors to represent motion. | | | | | |
| | SC.7.4.24 explain the effect of gravity on falling objects | | | | | |
| | SC.7.4.25 analyze motion graphically | | | | | |
| | SC.7.4.26 depict and relate causes of tides, surfs and currents. | | | | | |
| | SC.7.4.27 air masses, oceans, weather, convection currents & sun's energy | | | | | |
| | SC.7.4.28 interpret and create topographical maps. | | | | | |
| | SC.7.4.29 periods of geologic time using rocks and rock layers | | | | | |
| | SC.7.4.30 seasonal changes and weather patterns. | | | | | |
| | SC.7.4.31 recognize the changes involved in the life cycle of a star. | | | | | |
| | SC.7.4.32 physical characteristics of celestial objects | | | | | |
| | SC.7.4.33 compare the characteristics of the members of our solar system. | | | | | |
| Standard 5: | SC.7.5.1 compare proposed solutions to problem | | | | | |
| | SC.7.5.2 test & evaluate types of materials and/or design | | | | | |
| Standard 6: | SC.7.6.1 informed personal decisions at the local & global levels | | | | | |
| | SC.7.6.2 mass media reports of scientific developments and events. | | | | | |
| | SC.7.6.3 science & technology on global & local problems | | | | | |
| | SC.7.6.4 science, technology, society and career opportunities. | | | | | |
| | SC.7.6.5 technology on society & societal pressures on technology | | | | | |

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