High School Science Curriculum Guide: 2021-2022

| Grade | | |
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| £ 6 | Earth/Physical Science: How can one explain the structure and properties of matter? How do substances combine or change to make new substances? How do people reconstruct and date events in Earth's planetary history? How can one explain and predict interactions between objects and within systems of objects? How is energy transferred and conserved? How are waves used to transfer energy and send and store information? | |
| 10 th | Biology: How do organisms live and grow? How and why do organisms interact with their environment. How are characteristics of one generation passed to the environment. How can individuals of the same species and even sibling. What evidence shows that different species are related? Biology (Primary Curriculum): InquiryHUB (iHUB) curriculum: Ecosystems: How do small changes make big impacts on ecosystems? Genetics & Heredity: How can science help make our lives better? | nt, and what are the effects of these interactions? next? s have different characteristics? Biology (Optional Supplemental Curriculum): Science and Global Issues (SGI) curriculum: • Ecology: Living on Earth • Cell Biology: World Health |
| 11th | Evolution: How do populations change over time? Chemistry: Science of chemistry Matter and atoms Temperature energy and heat Physical and chemical change Elements and the periodic table Bonding | Compounds and molecules Water and solutions Chemical reactions Stoichiometry Reactions rates and equilibrium Acids and bases Properties of gases |
| 12th | Physics: Physics Toolkit Representing Motion (velocity) Accelerated Motion | Gravitation Rotational Motion Energy and Work |

^{*}iHUB Curricular Units may be taught in a different sequence as a result of piloting logistics.