







| Next Generation Science Standards | | | Planets | | eflight | ıse | | n Challenge | TEAM Ahead) | | ademy | eutral Buoyancy | light | | | | | hallenge | |
|--|----------------|---------------|---------------------------|----------------|------------------------|----------------------|----------------|------------------------------|---------------------------------|-----------------|-----------------------|------------------------------|------------------------|------------------|-----------------|-----------|-------------|-------------------------|---------------|
| Space Academy 2019 | Apollo History | Astrobiobound | Astronomy Night - Planets | Astronomy Show | Commercial Spaceflight | Explore the Universe | Gemini History | Heat Shield Design Challenge | Intro to ISS (Full STEAM Ahead) | Mercury History | Model Rockets-Academy | Octo-ACCESS/Neutral Buoyancy | Science of Spaceflight | Science on Orbit | Shuttle History | SLS/Orion | Space Suits | Space Weather Challenge | Station Build |
| Earth and Space Science | | | | | | | | | | | | | | | | | | | |
| ESS1.A: The Universe and Its Stars | | X | X | X | | X | | | X | | | | | | | | | | |
| ESS1.B: Earth and the Solar System | X | | X | X | X | X | X | | X | X | | | | X | X | X | X | | X |
| ESS1.C: The History of Planet Earth | | | | | | | | | | | | | | | | | | | |
| ESS2.A: Earth Materials and Systems | | X | | | | X | | | | | | | | | | | | | |
| ESS2.B: Plate Tectonics and Large- Scale System Interactions ESS2.C: The Roles of Water in Earth's | | | | | | X | | | | | | | | | | | | | |
| Surface Processes ESS2.D: Weather and Climate | | | | | | | | | | | | | | | | | | | |
| ESS2.E: Biogeology | | Х | | | | | | | | | | | | | | | | | |
| ESS3.A: Natural Resources | | X | | | | | | | | | | | | | | | | | |
| ESS3.B: Natural Hazards | | | | | | | | | X | | | | | | | | | | |
| ESS3.C: Human Impacts of Earth Systems | | | | | | | | | | | | | | | | | | | |
| ESS3.D: Global Climate Change | | | | | | | | | | | | | | | | | | | |
| Physical Science | | | | | | | | | | | | | | | | | | | |
| PS1.A: Structure and Properties of Matter | | | | | | Х | | | Х | | | Х | | | | | | Х | |
| PS1.B: Chemical Reactions | Х | | | Х | | | | Х | | | | | | | | | Х | | |
| PS1.C Nuclear Processes | | | | | | | | | | | | | | | | | | | |
| PS2.A: Forces and Motion | | X | | | | | | | | | X | | X | | | | X | | |
| PS2.B: Types of Interactions | | X | | | | | | | | | | | X | | | | | X | |
| PS2.C: Stability and Instability in Physical Systems | | X | | | | | | | | | | | | | | | X | | |
| PS3.A: Definitions of Energy | | | | | | | | X | | | | | | | | | X | | |
| PS3.B: Conservation of Energy and Energy Transfer PS3.C: Relationship Between Energy | | | | | | | | X | | | X | | | | | | X | | |
| and Forces | | | | | | | | | | | | | X | | | | | X | |
| PS3.D: Energy and Chemical Processes in Everyday Life | | | | | | | | X | X | | | | | X | | | X | | |
| PS4.A: Wave Properties | | | | | | | | | | | | | | | | | | | |









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| PS4.B: Electromagnetic Radiation | | | | X | | X | | X | | | | | | | | | | | |
| PS4.C: Information Technologies and Instrumentatior | | | | | | | | | | | | | | | | | | | |
| Life Science | | | | | | | | | | | | | | | | | | | |
| LS1.A: Structure and Function | | | | | | | | | | | | | | | | | X | | |
| LS1.B: Growth and Development of Organisms | | | | | | | | | | | | | | | | | | | |
| LS1.C: Organization for Matter and Energy Flow in Organisms | | X | | | | | | | X | | | | | X | | | | | X |
| LS1.D: Information Processing | | | | | | X | | | | | | | | | | | | | |
| LS2.A: Interdependent Relationships in Ecosystems | | Х | | | | | | | X | | | | | X | | | X | | X |
| LS2.B: Cycles of Matter and Energy Transfer in Ecosystems | | Х | | | | | | | | | | | | | | | | | X |
| LS2.C: Ecosystem Dynamics, Functioning, and Resilience | | | | | | | | | | | | | | | | | | | |
| LS2.D: Social Interactions and Group Behavior | | | | | | | | | | | | | | | | | | | |
| LS3.A: Inheritance of Traits | | | | | | | | | | | | | | | | | | | |
| LS3.B: Variation of Traits | | | | | | | | | | | | | | | | | | | |
| LS4.A: Evidence of Common Ancestry | | X | | | | | | | | | | | | | | | | | |
| LS4.B Natural Selection | | | | | | | | | | | | | | | | | | | |
| LS4.C: Adaptation | | | | | | | | | | | | | | | | | | | |
| LS4.D: Biodiversity and Humans | | | | | | | | | | | | | | | | | | | |
| Engineering Design, Technology, and the Application of Science | | | | | | | | | | | | | | | | | | | |
| ETS1.A: Defining and Delimiting an Engineering Problem | | Х | | | | | | Х | | | | Х | | | | | | | Х |
| ETS1.B: Developing Possible Solutions | | X | | | | | | Х | | | Х | Х | | | | | | Х | Х |
| ETS1.C: Optimizing the Design Solution | | X | | | | | | X | | | X | X | | | | | | | |