

Next Generation Science Standards for Hidden Hazards



Science & Engineering Practices



Disciplinary Core Idea



Crosscutting Concept

3rd	4th	5th	6th
<p>3-LS4 Biological Evolution: Unity and Diversity</p> <p>LS2.C: Ecosystem Dynamics, Functioning, and Resilience</p> <ul style="list-style-type: none"> When the environment changes... <p>LS4.D: Biodiversity and Humans</p> <ul style="list-style-type: none"> Populations live in a variety of habitats, and change in those habitats affects the organisms living there. (3-LS4-4) <hr/> <p>3-ESS3 Earth and Human Activity</p> <p>Science is a Human Endeavor Science affects everyday life. (3-ESS3-1)</p> <hr/> <p>3-5-ETS1 Engineering Design</p> <p>Asking Questions and Defining Problems Asking questions...</p> <p>Influence of Engineering, Technology, and Science on Society and the Natural World</p> <ul style="list-style-type: none"> People's needs and wants change... (3-5-ETS1-1) <p>Engineers improve existing technologies... (3-5-ETS-2)</p>	<p>4-ESS3 Earth and Human Activity</p> <p>ESS3.A: Natural Resources</p> <ul style="list-style-type: none"> Energy and fuels that humans use are derived from natural sources... (4-ESS3-1) <hr/> <p>4-PS3 Energy</p> <p>PS3.D: Energy in Chemical Processes and Everyday Life</p> <ul style="list-style-type: none"> The expression "produce energy" ... (4-PS3-4) <p>Science is a Human Endeavor Science affects everyday life. (4-PS3-4)</p> <hr/> <p>3-5-ETS1 Engineering Design</p> <p>Asking Questions and Defining Problems Asking questions...</p> <p>Influence of Engineering, Technology, and Science on Society and the Natural World</p> <ul style="list-style-type: none"> People's needs and wants change over time... (3-5-ETS1-1) <p>Engineers improve existing technologies... (3-5-ETS-2)</p>	<p>5-ESS3 Earth and Human Activity</p> <p>ESS3.C: Human Impacts on Earth Systems Human activities in agriculture, industry... (5-ESS3-1)</p> <hr/> <p>5-PS1 Matter and Its Interactions</p> <p>PS1.B: Chemical Reactions</p> <ul style="list-style-type: none"> When two or more different substances are mixed... (5-PS1-4) <hr/> <p>5-PS3 Energy</p> <p>PS3.D: Energy in Chemical Processes and Everyday Life The energy released [from] food... 5-PS3-1)</p> <hr/> <p>3-5-ETS1 Engineering Design</p> <p>Asking Questions and Defining Problems Asking questions...</p> <p>Influence of Engineering, Technology, and Science on Society and the Natural World</p> <ul style="list-style-type: none"> People's needs and wants change over time... (3-5-ETS1-1) <p>Engineers improve existing technologies... (3-5-ETS-2)</p>	<p>MS Weather and Climate</p> <p>ESS3.D: Global Climate Change Human activities, such as the release of greenhouse gases... (MS-ESS3-5)</p> <hr/> <p>MS Human Impacts</p> <p>ESS3.C: Human Impacts on Earth Systems</p> <ul style="list-style-type: none"> Human activities have significantly altered... (MS-ESS3-3) <p>Influence of Science, Engineering, and Technology on Society and the Natural World The uses of technologies and limitations... (MS-ESS3-3)</p> <hr/> <p>MS Engineering Design</p> <p>Asking Questions and Defining Problems Asking questions...</p> <p>Influence of Science, Engineering, and Technology on Society and the Natural World</p> <ul style="list-style-type: none"> All human activity draws on natural resources... MS-ETS1-1)