



# World Vision Academy Science Gr. 4~7

## Curriculum Overview

<b>WVA Grade 4 Science</b>	<b>Big Ideas:</b> <ul style="list-style-type: none"> <li>• Members and interactions within ecosystems</li> <li>• Basic properties of light and sound</li> <li>• Properties and uses of minerals and different types of rocks</li> <li>• Understanding naturally occurring processes and environmental phenomenon</li> </ul>
<b>WVA Grade 5 Science</b>	<b>Big Ideas:</b> <ul style="list-style-type: none"> <li>• Properties and states of matter</li> <li>• Elements of climate system and precipitation</li> <li>• Uses and conservation of energy</li> <li>• Introduction to forces and structures</li> <li>• Introduction to human body systems</li> </ul>
<b>WVA Grade 6 Science</b>	<b>Big Ideas:</b> <ul style="list-style-type: none"> <li>• Classification of living things</li> <li>• Properties of air and pressure</li> <li>• Understanding flight and space travel</li> <li>• Properties and sources of electricity</li> <li>• Motion and Movement</li> <li>• Members of the solar system and the role humans play in space</li> </ul>
<b>WVA Grade 7 Science</b>	<b>Big Ideas:</b> <ul style="list-style-type: none"> <li>• Abiotic and biotic elements within ecosystems</li> <li>• Food and natural cycles</li> <li>• Human impacts on ecosystems</li> <li>• Describing, measuring, and classifying matter</li> <li>• Introduction to substances, mixtures, and solutions</li> <li>• The composition of planet earth and its changing surface</li> </ul>

Students develop and strengthen essential transferable skills by going through science courses. Students should reflect on their core skills in the three areas with guidance from their parents.

<b>Communication</b>	Communication and Collaboration
<b>Thinking</b>	Critical, Reflective, and Creative Thinking
<b>Personal &amp; Social</b>	Personal awareness & Responsibility Positive personal & Cultural Identity Social awareness & Responsibility