



World Vision Academy Science Gr. 8~10

Curriculum Overview

WVA Grade 8 Science	Big Ideas: <ul style="list-style-type: none"> • Introduction to cells and human body systems • Introduction to optics, images, properties of light and human vision • Properties and states of matter • Forces and Pressure • Water systems, Oceans and their relationship with Earth and living things
WVA Grade 9 Science	Big Ideas: <ul style="list-style-type: none"> • Atomic Theory • Elements and Compounds • Compartments within the cell and the cell cycle • Methods of reproduction • Electricity, charges, and forces • The universe and its components
WVA Grade 10 Science	Big Ideas: <ul style="list-style-type: none"> • Biomes and Ecosystems • Cycles and Energy flow in Ecosystems • Atomic theory, bonding, and chemical equations • Types of compounds, their characteristics, and properties • Types of chemical reactions and radioactivity • Velocity and Acceleration • Energy transfer and Climate change

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.

Communication	Communication and Collaboration
Thinking	Critical, Reflective, and Creative Thinking
Personal & Social	Personal awareness & Responsibility Positive personal & Cultural Identity Social awareness & Responsibility