



**CHRIST-
LIKENESS**

LOVE

UNITY

EXCELLENCE

INTEGRITY

DISCIPLESHIP

What is WCA's Vision for **SCIENCE?**

The science department exists to provide students with an excellent, practical, and tangible knowledge of the natural sciences.

- Excellent means students will graduate with a broad knowledge of and experience with the natural sciences.
- Practical means students will be prepared with the knowledge to succeed in the world and the intellectual sophistication to discern good from bad scientific reasoning.
- Tangible means experiment, observation, and experience based.

The Science Department exists to exalt God through knowledge of his creation and forward the kingdom of God on earth through the mastery and responsible authority over Creation (Genesis 1:28).

Classical Methodology is ideally suited for the discipline of science. Our methodology allows us to develop understanding of science through repeated mastery of central concepts that span the natural sciences.

The WCA Science Department seeks to offer courses that address the two main considerations of education: that of *libertas* and that of *techne*. *Libertas*, Latin for freedom, forms the core of the liberal arts tradition. *Libertas*, or freedom, encourages students to be intellectually fearless in their pursuit of knowledge. They can seek after what is true, good, and beautiful and have a right orientation to science. This allows them to be mature believers and responsible citizens.

Consistent with *libertas*, WCA students learn science that honors God - science that helps them to stand in awe of His creation as well as exercise responsible dominion over the earth. Proper grounding in the methodology and philosophy of science permeates all classes.



In addition to this basic understanding of science common to all humanity, students who wish to pursue higher levels of science are able to develop the technical skills to help them excel in a college environment. Techne, Greek for craft, prepares students for careers in science. Frequent memorization, repetition, and experiments fortify this knowledge.

