

Heights Tutorial Class Description

Course Title: General Science

Teacher: Alison Ricker

Grade: 7th

Day of week: Tuesday

Time: 10:05-11:30am

Minimum of 6 students required to start.

Costs:

Tuition: \$475

Fee: \$75

Course Description

This laboratory-based, science course covers a wide range of topics that are of interest to modern scientists. It starts by describing our current understanding of atoms, molecules, the chemicals that are necessary for life, DNA, and cells. These topics are all discussed in the context of history, explaining how specific scientific advances led to the scientific explanations that the students are being taught. This allows students to learn not only the current scientific understanding of these topics, but also how scientists reached that understanding.

The course then uses what the student has learned to describe the living world. It discusses the levels of organization found in creation and spends time discussing topics at each level. As a result, students learn how cells work together to make tissues, how tissues come together to make organs, how organs form organ systems, how those organ systems produce organisms, and how those organisms relate to one another in populations and communities. The student then learns how those communities interact with the physical environment to form ecosystems, which then form biomes. Along the way, students learn about fascinating new discoveries such as the function of the human appendix, the human microbiome, and soft tissue found in dinosaur fossils. Throughout the course, God's design in nature is highlighted, and topics in the creation/evolution debate are discussed.

During class time, the students will complete their lab activities, review the chapter, and give project presentations. At home, the students will read the chapters, answer comprehension check questions, answer chapter review questions, prepare projects and take their chapter tests.

Prerequisites - none

Textbooks Required

Science in the Atomic Age by Dr. Jay L. Wile

ISBN 978-0-9962784-0-9 (student textbook only)

Supply List

2" 3-ring binder

Dividers

College ruled notebook paper

Pens/pencils

Lab notebook (unlined if preferred)