

BHC Lower School

Class Description 2026-2027



BROOK HILLS CO-OP

Class:

Course Title: 5th Grade Science - God's Design for the Physical World

Teacher: Dani Adams

Grade: 5th Grade

Schedule:

Day of the Week: Thursday

Time: 8:55-10:25

Minimum Number of Students: 10

Maximum Accepted: 15

Fee:

Total Tuition: \$400

- Deposit of \$50 due April 1st, secures registration and is deducted from total fee.
- Payment Option 1: Remaining balance due August 1st.
- Payment Option 2: Half remaining balance due August 1st, half due January 4th.
- Teacher Venmo: @Dani-Adams-14

Class Description:

God made our world with both unbelievable creativity and perfect order. This course will explore both aspects of creation through the study of physics! We will investigate the patterns and laws of our physical world, as well as some of the greatest inventions in history that resulted from man imitating his Creator's creativity. This course will be divided into three parts--machines and motion, heat and energy, and inventions and technology. The study of machines and motion will help us see that God set laws of motion in the world, and how simple machines are used in big ways. A look at heat and energy will help students understand how God created and sustains life in our universe. We will identify important inventions and technology in our world, how they work, and how they impact us. This course aims to inspire young minds and inventors to declare, "God is good, and physics is fun!"

Curriculum & Supplies:

Textbook: God's Design for the Physical World (student edition) by Masterbooks

*If purchasing a used curriculum, older editions of this book may come as a set of 3 books. This is acceptable as the content is the same. A detailed supply list will be sent in August.

Tests, Assignments, & Grades:

Students will be given grades for homework, class participation, lab work and experiment notes, and both primary and secondary assessments. Students will learn to take tests in a classroom environment. At the completion of each subject, a comprehensive exam will be given in class proportionate to the grade level. Quizzes and exams are given to encourage practice with basic study skills, to evaluate understanding of topics, and to ease the student into comfort with test-taking.

Homework assignments will be given to aid in comprehension. Occasional assignments may include a classroom presentation, a compilation of comprehensive work, or a final classroom activity.

BHC Lower School Expected Skills - 5th Grade:

Please reference the [BHC Lower School Expected Skills](#) for a complete list of expected readiness (beginning of year) and progressing (throughout the year) skills by grade level.

5th Grade Readiness Skills:

- Demonstrates mastery of expected classroom behavior and routines
- Writes multiple clear and complete sentences to compose a complete thought
- Reads grade-level texts with accuracy and fluently
- Transcribes phrases from the board with ease
- Manages multiple classroom resources
- Follows multi-step oral and written directions
- Attends in 40 minute intervals
- Actively listens during instruction
- Participates in discussions by listening and speaking clearly
- Collaborates with peers toward a common goal
- Shows a submissive and respectful attitude

Student Responsibilities:

- Be present! Come to class each week.
- Be prepared! Make sure you have your binder, your homework, and a pencil.
- Be ready! Participate in class discussions & activities.
- Be respectful! Treat everyone like they are important
- Be curious! Because science is all about asking questions.

Teacher Bio & Contact Information:

Dani is married to Mark and they are members at The Church at Brook Hills. This will be the first year for their family to homeschool their two children. Dani has taught in the public school system for 13 years, most of which has been to fourth and fifth graders. She's excited about the special task of teaching science from a biblical worldview, and looks forward to joining the BHC community both as a teacher and parent.

Contact: dani.adams@bhco-op.com