

Seventh Grade Science

Overview for Parents

Teacher: Dr. Day

This year science class will focus on the life sciences ranging from the molecular level all the way up to organisms. Important themes that will be continually revisited throughout the class are the scientific method, how modern science is conducted, and how to think critically and analytically about science. In order to reinforce these concepts the student will regularly be asked to expand their knowledge of scientific ideas through experimentation, labs and projects.

Assignments and Projects	40%
Exams and Quizzes	40%
Lab Notebook and Participation	20%

There will be limited chances for extra credit

Exams and quizzes will occur approximately every 1-2 months, and students will always have ample warning and plenty of opportunity and assistance with mastering material before these exams.

Assignments will include homework or class work not in the student's science notebook. This work will sometimes be graded purely for completeness and sometimes be graded based on correctness.

Projects will include a few larger assignments and lab write-ups on the larger scientific experiments we perform.

Science notebooks will include all of the student's notes as well as ongoing scientific experiments and some in-class work. Science notebooks will be checked periodically for completeness and accuracy. Categories for grading the lab notebook include the table of contents and page numbers, neatness, and completeness of work and notes.

Additional participation grades will be given periodically based on performance on group work, participation in class discussions and regularly bringing all necessary materials to class.

Notes (the Cornell Method):

The student is required to have their lab notebook in class every day. Their notes will be done in what is sometimes called the Cornell Method. Many of them already know the Cornell Method, and if they do not one of the faculty will help them learn it.



MAJOR CONCEPTS COVERED

The 4 Classes of Biological Molecules
DNA structure and function
Central Dogma
Animal and Plant Cells
Cell Organelles
Cell Cycle and Replication
Respiration and Photosynthesis
Pant Biology
Genetics Heredity, and Traits
Evolution
Ecosystems and Biodiversity (Stream Ecology at Hewes Brook)

CONTACTING THE TEACHER

My teacher page will serve as one means of communicating plans for class each week as well as homework with students and parents. Students should regularly write homework in their planners to be sure that they have the most up to date information. The homework for the week can also be found on a continually updating google doc by clicking on "Homework" under the resources section of my teacher page.

I respond regularly to e-mail, and may be reached by phone if I am in the Klee science classroom.

**E-mail: jessica.day@crossroadsacademy.org or
Call Crossroads Academy: (603) 795-3111 ext. 113**

**LOOKING FORWARD TO A FANTASTIC
YEAR OF SCIENCE WITH THE 7TH GRADERS!!!**