

2019-2020

SCIENCE PARTNERS HANDBOOK

Biology 1 with Lab Class



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SCIENCE PARTNERS

Dress Code, Supply List



Dress Code

For modesty, mobility, and safety, students are required to wear a uniform that consists of:

Shirt:

The uniform shirt is a navy polo-type shirt with collar and buttons. Shirts are worn tucked in.

Pants:

Khaki / tan colored shorts or long pants. Shorts must come close to the knee.

Shoes:

Lace up, closed toe, and closed heel shoes (such as tennis shoes or athletic shoes).

Head Wear:

Hats or caps are not permitted in the classroom. They are distracting, they restrict sight, and they are potentially dangerous in the lab setting.

Supply List

- Three-ring binder.** See notebook instructions on page 3. Cover sheet (page 4 – print and fill out) goes in front sleeve and student calendar (page 5) goes in back sleeve.
- Zippered pencil pouch** placed in notebook rings to hold the following items:
 - Colored pencils. We do not use markers or crayons in science class.
 - Two mechanical pencils and extra lead. We do not use ink in science class.
 - Compass to draw circles.
 - Metric ruler. May be small to fit in pouch or large to fit in notebook's three rings.
 - Hand-held calculator. It does not need to be "scientific."
- Lined notebook paper.**
- Ten dividers.** Numbers 1-10 for classes.
- Textbook** is provided by Science Partners. ***Cover by first class; bring to each class.***
- E-mail account.** Student's family ***must have*** an active email account that can receive attachments and check it often, especially the day before class.

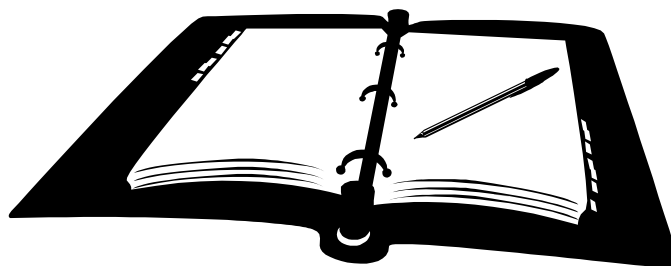
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Science Notebook Instructions



Please read carefully, even if you have been in science classes before. Make sure you have all the items on the *Supply List* on page 2. Then follow the instructions below to put together a science notebook that will be used during the year to hold labs, tests, and other communications from Science Partners. When the notebook is set up correctly, all supplies needed for class are together in one place and ready to go. At the end of the year, the notebook will be the student's complete science portfolio.

1. **Notebook:** Students need a three-ring binder that has clear sleeves on the front and back covers. Any color is fine.
2. **Notebook Front Cover:** The science notebook cover sheet is located on page 4 of this document. Print it, fill in lines with student's name and student and/or family phone numbers, and slip it into the front sleeve of your notebook. This is very helpful in locating the owner if a notebook is left behind after class.
3. **Notebook Back Cover:** The student calendar on page 5 includes class topics, test dates, and textbook reading assignments. Place a copy of your student calendar in the back sleeve of your notebook so it is easily accessible and doesn't get torn or lost inside. ***It's a good idea to keep a copy of the student calendar at home for parent reference.***
4. **Zippered Pencil Pouch:** The first item inside the notebook is a zippered pencil pouch to hold student's colored pencils, two mechanical pencils, extra pencil lead, and other items required for class. (See supply list on page 2.) ***A separate plastic box with items inside will not work for our purposes.*** The zippered pencil pouch filled with supplies listed must stay in the science notebook and be brought to every class.
5. **Lined Notebook Paper** goes behind zippered pencil pouch.
6. **Ten Dividers:** Each divider number corresponds to a monthly class number.





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Student's Name: _____

Phone (1): _____

Phone (2): _____



High School Biology

2019-20 SCIENCE PARTNERS



Monthly Class on Second Tuesday from 10:00 AM - 3:00 PM in Longwood

Class Dates	Class Topics / Reading Assignments – READ BEFORE CLASS.
Class 1:	God and Science; The Scientific Method, pp. 2-23.
August 13	Biology and the Study of Life, pp. 23-30.
	Basic Chemistry, pp. 31-45. Test 1 emailed by August 27.
Class 2:	Organic Chemistry, pp. 45-54. Test 1 due.
September 10	The Structure of Cells; Cells and Their Environment, pp. 55-76.
	Cellular Energy, pp. 77-90. Test 2 emailed home by September 24.
Class 3:	Cell Metabolism and Protein Synthesis, pp. 91-100. Test 2 due.
October 8	Genes, Chromosomes, and Cell Division, pp. 101-111.
	Basic Genetics, pp. 112-127. Test 3 emailed home by October 22.
Class 4:	Chromosomal and Genetic Changes, pp. 128-151. Test 3 due.
November 12	Biotechnology; Worldviews and the History of Life, pp. 152-173.
	Biological Evolution; Biblical Creationism, pp. 174 -199. Test 4 home by November 26.
Class 5:	Classification of Organisms, pp. 202-220. Test 4 due. SEMESTER 1 PROJECT DUE.
December 10	Bacteria; Viruses; Diseases and Disorders, pp. 221-254.
	The Kingdom Protista, pp. 255-274.
	The Kingdom Fungi, pp. 275-286. Test 5 emailed home by December 24.
Class 6:	The Kingdom Plantae: Classification and Anatomy, pp. 287-313. Test 5 due.
January 14	The Kingdom Plantae: Physiology and Reproduction, pp. 314-339.
	The Animal Kingdom: Poriferans and Cnidarians, pp. 340-351. Test 6 emailed by January 28.
Class 7:	The Animal Kingdom: Worms, Mollusks, Echinoderms, pp. 351-368. Test 6 due.
February 11	The Animal Kingdom: Arthropods, Insects, pp. 369-390.
	The Animal Kingdom: Chordata, Fish, pp. 391-408. Test 7 emailed by February 25.
Class 8:	The Animal Kingdom: Amphibians, Reptiles, pp.409-426. Test 7 due.
March 10	The Animal Kingdom: Birds, pp. 427-438.
	The Animal Kingdom: Mammals, pp. 439-452. Test 8 emailed home by March 24.
Class 9:	Ecology, pp. 453-485, Pig Dissection, Test 8 due. SEMESTER 2 PROJECT DUE.
April 14	Human Biology: Integumentary and Skeletal Systems, pp. 488-507.
	Human Biology: Muscular, Respiratory, Digestive Systems, pp. 507-538. Test 9 emailed by April 28.
Class 10:	Human Biology: Circulatory, Lymphatic, and Excretory Systems, pp. 539-566. Test 9 due.
May 12	Human Biology: Nervous System, Senses, pp. 567-585.
	Human Biology: Endocrine System, Drugs, pp. 586-607.
	Human Biology: Reproduction from Christian Perspective, pp. 608-626.