



**Welcome to 7<sup>th</sup> Grade Science!!!!**



My name is Kristy Ellis and I will be your student's Life Science teacher this year! Life science is very similar to biology where we will be learning about cells, genetics, adaptations, classification, photosynthesis, animal behavior, and conservation. This class will be a hands on approach to learning these new concepts! Students will be expected to complete stations, labs or a weekly in class project about each SOL. Homework will be given on Mondays and will be due that following Thursday. Quizzes will be given each Thursday on the material covered earlier that week. If students score below a 70% on the quiz, I will review with that student and they will be able to re-take the quiz on the following Monday. Tests will be given at the end of each unit or the completion of the study over that SOL. Benchmark tests will be given each quarter. Students will receive study guides before each test and each benchmark. Students may also have a project due at the end of each quarter as well. Some of these projects will be completed at home and others will be completed at school(more information to come). Students will also need to complete a science fair project (more information also soon to come). Electronic devices (phones, tablets, headphones etc.) will also be used on a regular basis (I will try to post on my website when students may need electronics for class. If your student does not have one, an electronic device will be provided)

Supplies: Students will need a 3 ring binder (at least a 1.5") with 5 dividers, filler paper, index cards, pencils, colored pencils or markers, scissors, glue, \$5.00 Science fee (this goes for supplies that we will need to purchase to complete labs and activities throughout the year)

Mrs. Ellis's wish list (if you would like to donate any of the following items-we will be using these throughout the school year): hand sanitizer, tissues, colored pencils or markers, dry erase markers, scotch tape, duct tape, glue (liquid and stick), Clorox wipes, latex free gloves, highlighters, candy, post-its, and zip lock baggies (small and large)

I look forward to working with your student and you this year! We are going to have a fun and exciting time exploring the world of life science! Please feel free to contact me at anytime with any questions or concerns. Email is the best way ([kellis@ccps.us](mailto:kellis@ccps.us)). You can also sign up for reminders through remind.com (the information is on the attached sheet). This is how I will send reminders about upcoming events in this class. Also my blog is another good way of keeping track of happenings in science class ([kellis.blogs.ccps.us](http://kellis.blogs.ccps.us))

~ Kristy Ellis

Please fill out and detach the following information and return to Mrs. Ellis- This will be your student's 1<sup>st</sup> homework grade!!!!!!

**Return to Mrs. Ellis (Science)**

Class/Block: \_\_\_\_\_

Student Name: \_\_\_\_\_ Parent Name: \_\_\_\_\_

Phone number: \_\_\_\_\_ Email: \_\_\_\_\_

The best time to reach me is \_\_\_\_\_ Important thing(s) I should know about your son or daughter:

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## Syllabus for 7<sup>th</sup> Grade Life Science 2016-2017

\*\*This will be the order that we will cover each SOL. Each week students will complete stations or a project menu in class, receive a homework assignment, and take a quiz on the SOL being covered. Test and project dates will be determined after benchmark schedules have been made. I did not add dates because it will usually change because of benchmark schedules or snow days ☺ \*\*

<b>Week</b>	<b>SOL</b>
1	Classroom procedures
2	Ls. 1 a-g: Scientific Investigation
3	Ls. 1 h-j: Scientific Investigation
4	Ls. 2 a-c: cell structure and organelles, plant and animal cells, cell theory
5	Ls. 2 d: cell division
6	Ls. 3a: levels of organization
7	Ls. 3 b: cellular organization and life processes
8	Ls. 12a-b: DNA, genes, and chromosomes
9	Ls. 12 c-d: genotypes, phenotypes, and inherited traits
10	Ls. 12 e-f: genetic engineering ad discoveries and historical contributions related to genetics
11	Ls. 13 a: mutations, adaptations, natural selection, and extinction
12	Ls. 13 b-c: evidence of evolution in the fossil record, diversity of organisms because of genetic diversity or environment
13	Ls. 5 a-c: photosynthesis
14	Ls. 4 a-b: characteristics of domains and kingdoms of organisms
15	Ls. 4 c-d: characteristics of major animal phyla, plant divisions, and species
16	Ls. 7 a: animal interactions
17	Ls. 7 b: animal behavior and its influence
18	Ls. 8 a-b: animal relationships
19	Ls. 8 c-e: symbiosis and niches
20	Ls. 6 a: carbon, water, and nitrogen cycles
21	Ls. 6 b-d: energy interactions through a system, food webs, food chains, and energy pyramids
22	Ls. 9 a-b: ecosystems and biomes
23	Ls 9 c: adaptations to help organisms survive in certain ecosystems
24	Ls. 10 a: phototropism, hibernation, dormancy
25	Ls. 10 b-c: factors that affect population size
26	Ls. 11 a-c: human interaction within the ecosystem
27	Ls. 11 d-e: threats to species and environmental issues

### Grading Scale

- **Tests and Projects: 40%**
  - **Quizzes: 30%**
  - **Classwork: 20%**
  - **Homework: 10%**