



Portland Public Schools
Middle Level
Syllabus Template

Teacher: Bret Gernhart		School: Mt. Tabor Middle School	
Subject: Science	Course Title: Life Science	Grade Level(s): 6 th	
Is high school credit an option for this course? No			
Prerequisites: Pass fifth grade science			
Course Description: The Life Science course focuses on all aspects of the living world. Students will use microscopes and models to examine the structures and functions of individual cells as well as complex organs and systems in multi-cellular organisms. Students will explore individual adaptations as well group inter-relationships that allow organisms to survive in various conditions. Students will analyze the relationships between organisms (including humankind) and their environment. Students will apply scientific reasoning and procedures to investigate the dynamics of these interrelationships.			
Schedule of topics/units covered: Cells and cells structure, Migration and Adaptations, Biomes and Ecosystems, Environmental Science, Outdoor School Curriculum, and numerous Inquiries.			
Academic Vocabulary (optional in 2008): growth, reproduction, excretion, energy, response, chemicals, cells, cell nucleus, membrane, cell wall, chloroplast, photosynthesis, carbohydrate,, water, carbon dioxide, oxygen, molecules, light energy, chemical energy, organ, system, structure and function, human body systems: respiration, digestive, excretory, circulatory, immune, reproductive, nervous, musculo-skeletal. Asexual reproduction, sexual reproduction, cloning, genetic diversity, gene, chromosome, DNA, Punnett Squares, probability, solar light energy, producers, consumers, decomposers, interdependence, matter, trophic level, food web, predator-prey, producer-consumer, parasite-host, symbiosis, competition			
District Adopted Materials: Prentice Hall Explorer Series			
Supplemental Resources: FOSS Science Kits, STC Science Kits			

Differentiation/ Accessibility Strategies and Support (TAG, ELL, SpEd, other):

Flexible grouping
Depth and complexity extensions
Rate and level curricular adjustments
Tiered lessons
Diverse questioning strategies
Compacting

Final Proficiencies:

State Inquiry Work sample(s) that successfully score 4 or higher in all 4 aspects of the State Inquiry Scoring Guide. Demonstration of understanding of the PPS and Oregon Science standards on teacher made tests or portfolios of student work (specific assessment examples for each standards can be found in the PPS Science Standards: <http://inside.curriculum.pps.k12.or.us/.docs/pg/12132>)

Essential skills to be taught or assessed:

- | | | |
|--------------------------|---|-----------------------------------|
| <input type="checkbox"/> | X | Read and comprehend |
| <input type="checkbox"/> | X | Write clearly and accurately |
| <input type="checkbox"/> | X | Listen actively and speak clearly |
| <input type="checkbox"/> | X | Apply mathematics |
| <input type="checkbox"/> | X | Think critically |
| <input type="checkbox"/> | X | Personal management and teamwork |
| <input type="checkbox"/> | X | Use technology |
| <input type="checkbox"/> | X | Civic and Community Engagement |

Assessment/evaluation/grading policy: **Grades are based on projects, quizzes, tests, lab work, and inquiries. Students must demonstrate an understanding of the state standards.**

Behavioral expectations

ATTENDANCE: It is expected that students will be present in class every day. Students are responsible for making up all work missed while they are absent in order to receive a grade for that work. Make up work for excused absences will be accepted for up to three days after the student returns to school. Make up work for unexcused absences will be accepted at my discretion.

RULES:

- Respect yourself
- Respect others
- Learn science

All other rules are related to these three rules.

CONTACT INFORMATION: If you need to contact me my email address is is_bgernhart@pps.net, you can contact me by phone at 503-916-5646

Safety Issues and Requirements:

Students must share and return the **required** PPS Lab Safety Agreement with signature of parent or guardian before they can participate in lab activities. They should adhere to all aspects of safety included in that document.

<http://inside.curriculum.pps.k12.or.us/.docs/pg/11031>

Signature of Instructor Completing This Form:

Bret Gernhart

Administrator Approval:

By approving this syllabus the administrator verifies that

- a. the course code written on this form is accurate and that this code has been correctly placed into eSIS by the school's data clerk.*
- b. the teacher listed on the syllabus meets the endorsement requirements as set forth by ODE and NCLB.*
- c. the course meets the requirements of the District required core curriculum including standards.*
- d. the teacher is using District adopted materials or has been approved to use other resources.*