Westwood Science

Teacher: Mr. Prahacs
website for HWK and quiz dates: mrprahacs.weebly.com
Email: sprahacs@lbpearson.ca

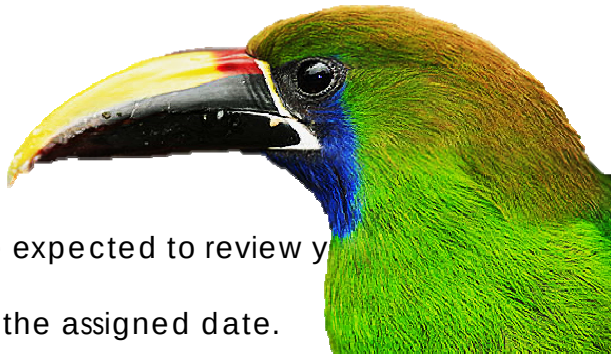
How often do I have Science?

- Over your 9 day school cycle, you have science class four times
- Classes are 75 minutes long.

What materials do I need?

- One binder(1.5- 2 inch)
- Color markers or color pencils
- a 30 cm ruler
- Kit box with pens and pencils
- Calculator (used sometimes)
- a glue stick

Textbooks: Students will be assigned a science textbook which is to remain in class. Students are responsible for maintaining their there books in good condition. Students who damage textbooks will be charged a damage fee.



How much homework do I have?

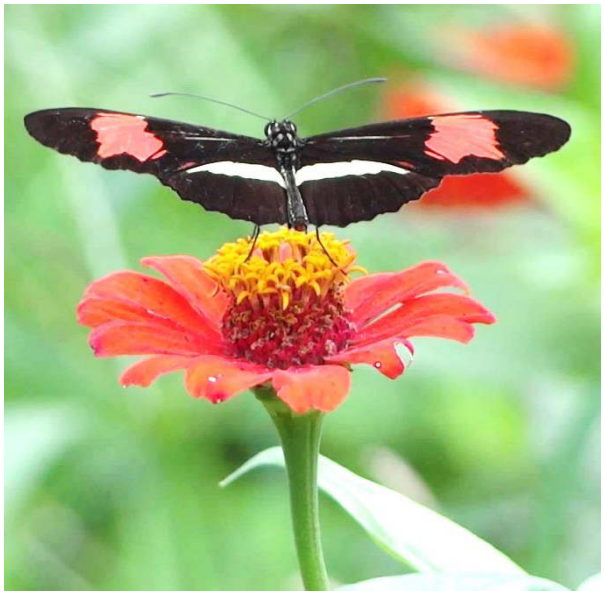
- On average, 20-30 minutes per class.
- If no written work has been assigned, you are expected to review y and assigned readings.
- Assignments are due at the **START** of class on the assigned date.

What if I'm absent?

- You are responsible for making up any work missed during an absence.
- Assignments are due on the first day of your return to class.
- **Tests** - arrangements must be made with the teacher to make up missed tests afterschool or at lunch.
- **Labs** When it is not possible to make up a lab, you will be given the data collected during the lab. **You are responsible** for completing the required questions, calculations, graphs etc… and for submitting your work at the start of the next class.

How do I succeed?

How do I need to work and behave in class in order to suceed?



Ask your self these questions – if you can answer "yes" to many of them, you're on your way.

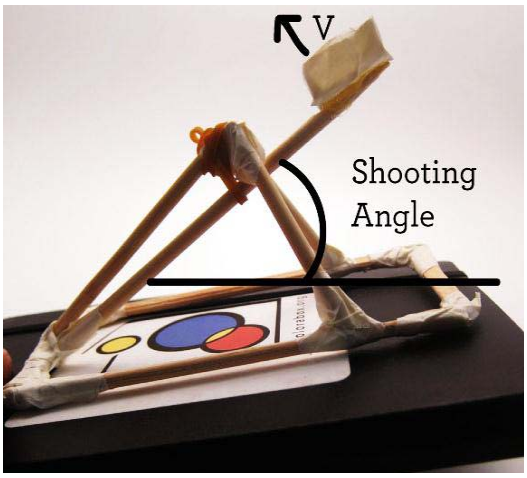
1. Do you have fun discovering new things?
2. Are you on time and prepared for class? (materials, homework, ready to work, awake!)
3. Do you show respect towards your classmates, teachers, and other people who come into the classroom?
4. Do you work cooperatively with others?
5. Are you able to work independently?
6. Do you help out others in the class?
7. Are you attentive in class?
8. Are you on task?
9. Do you ask questions?
10. Do I come for extra help when I am behind or don't understand?*

***Extra help can be arranged with the teacher at lunch hour or after school. After school tutorials (2:30-3:45) will be offered as needed (before big tests or at the request of students or parents)**

What skills will I learn and use?

- Asking questions
- Hypothesizing (thinking about what will happen if…)
- Identifying variables (thinks that affect your experiment)
- Designing an investigation (writing a scientific procedure and testing it out)
- Making observations
- Recording observations in data tables
- Creating graphs
- Thinking about your experimental results
- Reaching a conclusion
- Creating scientific diagrams
- Designing and creating technological objects (Engineering)
- Writing summaries and reports
- Making oral and computer based presentations

Course Content



a) The Material World

Examples of ideas studied: characteristic properties of matter, mass, volume, density, states of matter, physical and chemical changes, mixtures, solutions, separation of mixtures, the Periodic Table, atoms, elements, molecules

b) The Living World

Examples of ideas studied: habitat, niche, species, population, adaptation, taxonomy, reproduction in plants and animals, stages of human development, plant and animal cells, photosynthesis

c) The Earth and Space

Examples of ideas studied: The internal structure of the Earth, lithosphere, hydrosphere, atmosphere, types of rocks, relief, tectonic plates, volcanoes, earthquakes, erosion, natural energy sources, renewable and non-renewable energy sources, universal gravitation, solar system, light properties, cycles of day and night, seasons

d) The Technological World

Examples of ideas studied: types of motion, forces, simple machines, mechanisms that transit or bring about a change in motion, design plan, scientific drawings, energy transformations.

Evaluation

Areas Of Evaluation	Description	Types of Evaluations (Such as…)	Final Evaluations/ Exams
Practical 40% (e.g. lab experiments) **Theory 60%** (e.g. research projects, quizzes)	• **Students will be evaluated on their ability to:** a) seek answers or solutions to scientific or technological problems b) make the most of their knowledge of science and technology c) communicate in the language used in science and technology	Quizzes Projects Presentations Experimental Activities Technological Design Activities	**Secondary 1:** In-class evaluation May/June 2016 **Secondary 2:** 1) In-class practical lab exam May 2016 2) Board theory exam June 2016
Value of each of the 3 terms in the year: term 1 : 20%, term 2: 20%, term 3: 60%			