

École Secondaire South Kamloops Secondary



M. Barker
Sciences 10
Salle 221



Homework Buddy: _____ Phone: _____

General Objectives

- Develop the students' ability to master the skills and process of science.
- Increase the students' scientific knowledge
- Develop the students' creative, critical and formal thinking

Core Competencies for Sciences 10



PERSONAL & SOCIAL



COMMUNICATION



THINKING

Big Ideas

- DNA is the basis for the diversity of living things
- Energy change is required as atoms rearrange in chemical processes
- Energy is conserved, and its transformation can affect living things and the environment
- The formation of the universe can be explained by the big bang theory

Curricular Competencies (<https://curriculum.gov.bc.ca/curriculum/science/10/core>)

- Questioning and predicting events
- Planning and conducting experiments
- Processing and analyzing data and information
- Evaluating
- Applying and innovating
- Communicating

CONTENT :

Students are expected to know the following:

- DNA structure and function
- Patterns of inheritance
- Mechanisms for the diversity of life:
 - Mutation and its impact on evolution
 - Natural selection and artificial selection
- Applied genetics and ethical considerations
- Rearrangement of atoms in chemical reactions
- Acid-base chemistry
- Law of conservation of mass
- Energy change during chemical reactions
- Practical applications and implications of chemical processes, including First People's knowledge
- Nuclear energy and radiation
- Law of conservation of energy
- Potential and kinetic energy
- Transformation of energy
- Local and global impacts of energy transformations from technologies
- Formation of the universe:
 - Big bang theory
 - Components of the universe over time
- Astronomical data and collection methods

Materials

- Textbook, pencils, eraser, a ruler, binder/notebook, calculator (real one, not a cell phone)

Website/Blog, Google Classroom and other Communication:

- <http://mr-barker.weebly.com> - This website contains material relating to your course including class notes, teacher's notes, worksheets, video explanations, practice quizzes and homework assignments. It is possible for you to follow the day's lesson if you are sick at home.
- **Google Classroom** - From time to time I will use our Google classroom to post online projects for students to access and submit here.
- **Remind** - I also use an email and texting service called "Remind" where I send out an email and/or text to you to let you know what the homework of the day was. There's a sign up link on my website.



EVALUATION:

- Students will be provided opportunities to demonstrate their learning in relation to the curricular competencies in a number of ways: projects, assignments, quizzes, tests and lab work. Assessment will be both formative (Assessment *for* and *as* learning) and summative (Assessment *of* learning). As learning is continual, the grade will be cumulative (not an average of terms) with a formal evaluation at the end.

Assignments / Labs, Quizzes	60%	*** This distribution is subject to change
Tests / Projects	40%	

- Students have the opportunity to rewrite any quiz and one test per term provided that they come in for **two** lunch hour tutorial sessions with M. Barker in order to **earn** the rewrite. I will take the re-write mark as the new mark, whether higher or lower as that shows where the student is currently at. **Students who aren't putting a good effort in during class time will not be granted a re-write.**
- Students who skip a class where there is an evaluation will still be required to write the evaluation. However your teacher reserves the right to give you an oral examination or another form of evaluation instead

HOMEWORK POLICY:

- I'm not a big fan of homework and thus don't give out a lot. I believe that students should be given enough class time to accomplish their assignments. This being said, if students don't use their class time wisely, or we have an upcoming quiz/test or a project we are working on, there may be some homework from time to time. If a student has difficulty completing an assignment, then extra help should be sought as soon as possible.
- Assignments and lab reports must be handed in on the due date. If you miss a class, ***it is your responsibility*** to ensure that you make up for the lost time! Your teacher will not chase after you! Use the "buddy system" to find out what was covered on the day(s) you missed or check the class blog.
- Homework is not being given as busy work. It is to help you review the day's information to better retain it. You will likely have enough time in class to not need extra homework if you are using your class time wisely. 😊

INTERVENTION AND SUPPORT

- Students that are struggling are encouraged to:
 - Get extra help with the classroom teacher or another Science teacher on staff
 - Seek out extra help at lunch
 - Receive home contact from their teacher and see about other ways to accomplish the learning outcomes.

EFFORT MARK

- Your effort mark will be based on the following rubric:

G	S	N
<ul style="list-style-type: none">• I'm rarely late to class (no more than three times this term)• My absences are excused• All assignments were handed in and no more than one was late• Consistently on task and respects others' learning environment and class expectations• I consistently put forth my best effort.• I'm trying to speak in French as often as possible	<ul style="list-style-type: none">• I'm occasionally late to class• I have the occasional unexcused absence• Most of my assignments have been handed in on time. I may be missing one• I need daily reminders to stop chatting and get to work• I mostly put forth my best effort.• I need more than one reminder a day that I'm in a French immersion class	<ul style="list-style-type: none">• The bell is just a suggestion• I average one unexcused absence per week• Due dates are just a suggestion. I'm missing two or more assignments• My teacher isn't sure where to put me to stop me from socializing and respecting the class environment• I seldom put forth my best effort.• French? What's that?

Interims and Marks

- I usually send home a progress report every couple weeks, but students and parents can request an update at any point.

Cellphones and other Electronics

- Cell phones and other electronics are not permitted in this classroom unless directed by your teacher. If you would like to listen to music on your phone you must ask for permission prior to use. Music must be at a low volume and not distracting to yourself or any other students in the classroom. You will need to still be able to hear the teacher or others.

Contact Information

- The best way to reach me is through email: sbarker@sd73.bc.ca or you can contact the school at 250-374-1405.
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