

Science 8 – Course Outline

Our Lady of Grace 2017-2018

Teacher: *Mrs. Bruce*
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Course Overview:

The Science 8 program is organized into 5 units that address the primary vision of the Alberta Program of Studies. Diverse learning experiences within the science program provide students with opportunities to explore, analyze and appreciate the interrelationships among science, technology, society and the environment, and develop understandings that will affect their personal lives, their careers and their futures. Students will be introduced to concepts in a variety of ways, including experimentation, research and critical thinking, with integration of technology.

Mix and Flow of Matter	Light & Optics
Topic 1: Uses of Fluids Topic 2: Properties of Matter Topic 3: The Particle Model of Matter Topic 4: Fluid Technologies	Topic 1: History of Light & Optics Topic 2: Light Rays & Light Energy Topic 4: Animal Eyes Topic 3: Formation, Storage & Transmission
Mechanical Systems	Fresh & Saltwater Systems
Topic 1: Simple & Complex Machines Topic 2: Work and Efficiency Topic 3: Developing Technology	Topic 1: Water on Earth Topic 2: Water & it's Impact on Earth Topic 3: Diversity in Aquatic Environments Topic 4: Human Impact
Cells & Systems	<i>Order of units may change</i>
Topic 1: Characteristics of Living Things Topic 2: The Role of Cells Topic 3: Organ Systems Topic 4: Medical Applications	

Student Resources:

Science in Action 8

The Bruce Zone (www.thebrucezone.weebly.com)

Remind (www.remind.com) - (807) 788-2048 @8Aolg

@8Bolg

@8Colg



Course Evaluation

Unit Exams	20%
Section Quizzes	10%
Assignments/Labs	40%
Checkpoints	10%
Quick Review	5%
Final Assessment	15%

General Information

Notes, handouts and assignments **MUST** include your name and date, whether you hand it in or not. Notes and handouts are to be kept in a neat and tidy order in your Science binder throughout the year. I will conduct random notebook checks to ensure that this is done and to grade all interactive tasks within. All assignments and projects are to be completed on time. **Students are responsible for class work and/or assignments missed in the event the student is away from school.**

Incomplete/Late Assignments

It is a good habit for students to bring what they have done to class the day it is due even if they need more time. The following procedures are in place outlining the expectations when an assignment is incomplete or missing:

- **Initial due date:** D2L will be updated with an initial grade of 0% with the comment *"not yet submitted. The reason... and revised date _____."*
- **1st revised due date:** If the assignment is submitted a comment on D2L will read "assignment submitted (Date)". If it is not submitted, students will be given a 2nd revised due date. D2L will be updated *"date, reason, 2nd revised date"*
- **2nd revised due date:** All work that is complete should be submitted at this time. It is now YOUR responsibility to change that 0% mark by completing your work.

Please check D2L regularly to ensure all assignments are completed.

Classroom Expectations

1. Arrive on time with all required materials and be prepared to listen, work and participate.
2. Submit assignments on time, and *always* include your name and the date.
3. Only quality work is accepted and marked – some assignments may have to be resubmitted during "Bruce Time" before they are given a mark.
4. Respect yourself and others.
5. Be aware of your rights and responsibilities as a student in this classroom.
6. Phones, iPads & other devices may only be visible when used with permission from the instructor.

Materials and Supplies Required

- Interactive notebooks
- Pencils, pens, erasers, pencil crayons, ruler, glue sticks, scissors, etc.
- Science in Action 8 Textbook or digital copy

I hope that you will have a very successful, productive and enjoyable year. Please feel free to ask for clarification on any class work or assignments that you are experiencing difficulty with. I look forward to a great year!

Student Signature _____

Date _____

Parent Signature _____

Date _____

