

## Science 9 – Course Outline

### Our Lady of Grace 2016-2017

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#### Course Overview:

The Science 9 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.

<b>Matter &amp; Chemical Change</b>	<b>Biological Diversity</b>
Topic 1: Observing Matter Topic 2: The Periodic Table Topic 3: Compounds Topic 4: Chemical Reactions	Topic 1: Life on Earth Topic 2: Variation of Species Topic 3: DNA, Cells & Variation Topic 4: Human Impact
<b>Space Exploration</b>	<b>Environmental Chemistry</b>
Topic 1: History of Space Exploration Topic 2: Benefits of Exploration Topic 3: Advancing Technologies Topic 4: Exploration and Change	Topic 1: Chemicals in the Environment Topic 2: Chemical Monitoring Topic 3: Hazardous Chemicals
<b>Electrical Principles</b>	<i>Order of units are subject to change</i>
Topic 1: Transferring & Storing Electricity Topic 2: Electrical Technologies Topic 3: Energy Conversion Topic 4: Impact of Use	

#### Student Resources:

**Science in Action 9**

**Class Website** ([www.brucesbrainiacs.weebly.com](http://www.brucesbrainiacs.weebly.com))

**Remind** ([www.remind.com](http://www.remind.com)) - (807) 788-2048 @9Aolg

OR

@9Bolg



## Course Evaluation

Unit Exams	20%
Section Quizzes	10%
Assignments/Labs	35%
PAT Prep	5%
Interactive Notes	15%
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

All work will be submitted on the due date; students will then have the opportunity to complete their assignments during scheduled "Bruce Time". If students do not hand any work in on the assigned due date, they will only be allowed to submit work completed during my time (they cannot complete it at home **AFTER** the due date). This policy ensures that students have a full understanding of the material. A grade of 0% will serve as a placeholder for any work that is not submitted on the due date until it has been completed. Extensions will be granted, upon my discretion, to those students who seek additional time **IN ADVANCE** of the assigned due date.

## Classroom Expectations

1. Arrive on time with all required materials and be prepared to listen, work and participate.
2. Submit **ALL** 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 9 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 \_\_\_\_\_