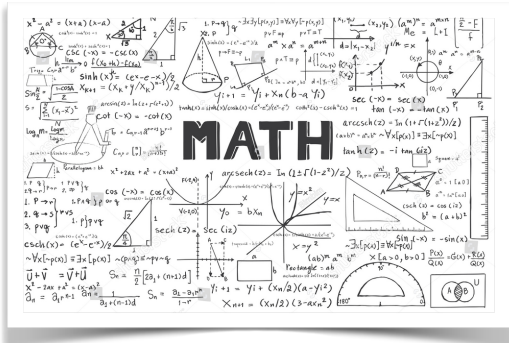


# Grade 7 Math/Science

## Mr. Beauchene's Course Outline



### Course Overview

The Mathematics curriculum has been designed to develop deep mathematical understanding and fluency,

logical reasoning, analytical thought, and creative thinking. There is a focus on concepts related to number sense, patterns and relations, spatial sense, and statistics and probability. Students actively investigate problems and find solutions.

In this class, we will learn math skills in a variety of ways: hands-on manipulatives, stations and workshops, group work, games, technology, conferences, textbooks, and lots and lots of practice.

### Assignments

Daily practice is important for putting new information into long-term memory. There will be plenty of time to work on and complete daily assignments in class. Any work that is not completed in class can be brought home for homework. As part of maturing as a student, students will be marking their daily assignments. They are to be marked in RED pen.

### Class Communication

I use email to communicate with parents. I will send out notices and updates on students grades. Please ensure the office has an updated email for you so that you stay in the loop.

1

**Decimals, fractions, and percents** are used to represent and describe parts and wholes of numbers.

2

Computational fluency and flexibility with numbers extend to operations with **integers** and decimals.

3

2 Step algebra equations.

4

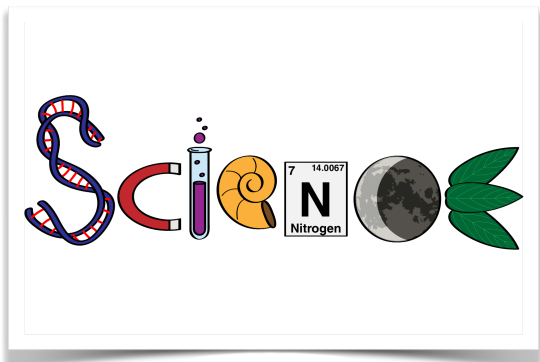
The constant ratio between the circumference and diameter of circles can be used to describe, measure, and compare **spatial relationships**.

5

Order of operations

## Course Overview

Science and scientific literacy play a key role in educating citizens of today for the world of tomorrow. Students will



think critically, solve problems, and make ethical decisions; to communicate their questions, express opinions, and challenge ideas in a scientifically literate way; all while showing responsibility of caring for living

things and the planet.

The textbook will be using is BC Science Probe 7. We will be using RTCS' available technology including iPads and laptops. We will use the Scientific method to observe, analyze and make predictions about various outcomes. You will collect and interpret data and use research skills to gain scientific knowledge.

You will complete a wide variety of labs, projects and assignments. Projects may include written and oral reports, debates, PowerPoint presentations, group presentations, model building, and graphing. Other work will include worksheets, text questions, class discussions, quizzes, reading, etc. You will also be expected to self and peer-assess your work!

## CLASS EXPECTATIONS

Your behaviour and participation in class directly affect your ability to learn. You are responsible for your own success. Should your behaviour prevent others from learning, could be asked to leave the class, stay in at lunch or break, move to another class to work. If behaviour continues, parents will be contacted to help resolve the issue.



Respect in my classroom means that every student feels comfortable and safe enough to reach their highest learning potential. If your

1

Adaptations in plants and animals for the diversity and survival of living things

2

Elements, and compounds.

3

Electromagnetism

4

Climate Change

# Notebooks and Materials

You must arrive to class fully prepared. Please bring all the supplies you will need for the day and make sure the assigned homework is complete. Here is a checklist for the materials you will need:

- One 2 - 3-inch binder for all subjects.
- Plenty of lined and blank paper
- Set of dividers
- Pencil case containing:
  - Red pen for marking and underlining headings
  - Highlighters
  - Pencils with erasers for drawing and pencil crayons
  - Scissors
  - Ruler
  - Geometry kit with a protractor
  - **DRY ERASER MARKER (5) - Fine Tip**
- Rosedale Traditional Middle School Agenda Book. You must have this every class to record your homework.
- Your textbook: Jump Math 7 (we have them in class) and other resources we use throughout the year.

## Assessment, Evaluations and Grade-less

Assessments for student competency will be done through, class work, homework, projects, tests, labs and through anecdotal observations. Homework checks will be done to make sure students are completing the work from the prior class.

<p style="text-align: center;"><b>The Provincial Proficiency Scale</b></p>	EMERGING	DEVELOPING	PROFICIENT	EXTENDING
	<p>The student demonstrates an initial understanding of the concepts and competencies relevant to the expected learning.</p>	<p>The student demonstrates a partial understanding of the concepts and competencies relevant to the expected learning.</p>	<p>The student demonstrates a complete understanding of the concepts and competencies relevant to the expected learning.</p>	<p>The student demonstrates a sophisticated understanding of the concepts and competencies relevant to the expected learning.</p>
	<p><b>Developing:</b></p> <ul style="list-style-type: none"> <li>• I still need help with this concept</li> </ul>	<p><b>Proficient:</b></p> <ul style="list-style-type: none"> <li>• I can do this on my own.</li> <li>• I understand this.</li> </ul>		

# Class procedures

## Entering the room:

- Cell phones and personal devices must be **left in your locker**.
- Please leave food, gum, drinks, bags, jackets etc in your locker.
- Enter quietly.
- Sit in your assigned seat.
- Review agenda on board.
- Take out necessary materials promptly.
- Respond to class greeting

## Food and Drinks in the Classroom:

- ♣ I will only accept closed water bottles that contain WATER.
- ♣ No other food and drink (including gum) is acceptable.

## Leaving the Classroom:

Other than when someone is addressing the class, you may leave the classroom for any appropriate reason. Please try and plan your bathroom breaks for break and lunchtime. Think of it like going on a road trip in a car, or go to the bathroom before you start your trip.

**\*\* PLEASE SIGN OUT OF THE CLASS WHEN YOU LEAVE AND STATE YOUR REASON AND TIME OUT AND IN.**

**\*\*YOU ARE ALLOWED 5 "SIGN-OUTS" A MONTH. IF YOU GO OVER YOU OWE TIME IN AT LUNCH TO MAKE UP FOR THE MISSED CLASS TIME.**

## End of the Class:

- The teacher dismisses the class, not the bell.
- Work must continue until you are dismissed or instructed to pack up.
- The desk and work area must be clean.

## Neatness in the Classroom:

It is our responsibility to keep this room neat. Garbage belongs in the garbage can and paper belongs in the recycling bin. Should you mess up the class and not clean up, you will be required to spend some of your time cleaning.

## Absences:

If you are absent for any reason, you are responsible for finding out the work you missed and handing it in on time. Arrange to have a friend or family member pick up your work. Homework will always be posted on the whiteboard and on the **homework website**. USE YOUR STUDY BUDDIES! Find your study buddy now, exchange numbers, email addresses, instagrams, SnapBook and faceChat.

## Lates:

Be on time! Repeated tardiness may require to make up time at break and lunch.

## Teachers On Call, Student Teachers and Guest Speakers:

Higher expectations - this is your opportunity to make a visitor to this school understand what a GREAT school RTCS is. Make a great positive impression!

**Homework Policy:**

I do not assign homework for the sake of homework. I will provide adequate time in class to finish the assignments. If students do not finish the work in the provided time they can take it home to finish. Some projects will require time and effort at home to complete.

**HOMEWORK WILL BE UPDATED ON MY HOMEWORK WEBSITE** - Which can be found on the RTCS school web pages. <https://rtcs.sd33.bc.ca/mr-beauchene-0>

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**Cut and Return to Mr. Beauchene**

# Math/Science 7

**Students Name:** \_\_\_\_\_

Name three ways **you as a student** can be successful this year

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Name three ways **you as a Parent / Guardian** can help your child be successful this year. (Parents only- no help from your child!!!!)

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Visit Mr. B's homework webpage and write down the secret word: <https://rtcs.sd33.bc.ca/mr-beauchene-0>

\_\_\_\_\_

I have read Mr. Beauchene's Math 7 outline and have shared it with my parents(s)/ guardian(s).

Student Signature: \_\_\_\_\_

Parents Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Return this form signed by you and your parent by the Last Friday in September for a treat.**