

Mathématiques 8
École Secondaire Hugh McRoberts

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MANUEL D'ÉLÈVE: *Liens mathématiques 8*, McGraw-Hill Ryerson, 2008

CONCEPTS DU COURS

Chapitre	Sujet	Concepts
3	Nombres carrés et cubiques	<ul style="list-style-type: none">• Les nombres carrés et cubiques• Les racines carrées et cubiques• Estimer des racines carrées de nombres non-carrés• Utiliser et appliquer le théorème de Pythagore
2	Raisonnement proportionnel	<ul style="list-style-type: none">• Les rapports à deux et trois termes• Les taux et le prix unitaire• Le raisonnement proportionnel
4	Les pourcentages	<ul style="list-style-type: none">• Représenter les pourcentages• Les fractions, les nombres décimaux, et les pourcentages• Le pourcentage d'un nombre• Les rabais et ventes
6	Les fractions	<ul style="list-style-type: none">• Multiplier et diviser une fraction par un nombre naturel, des fractions propres, des fractions impropres, et des nombres fractionnaires• Les opérations sur les fractions
5	L'aire de la surface	<ul style="list-style-type: none">• Les vues et le développement d'objets à trois dimensions• L'aire de la surface de solides régulières
7	Le volume	<ul style="list-style-type: none">• Le volume de solides régulières
9	Les relations linéaires	<ul style="list-style-type: none">• Décrire les relations linéaires en utilisant des :<ul style="list-style-type: none">○ expressions algébriques○ tables de valeurs○ graphiques• La substitution des valeurs dans une expression
10	Les équations linéaires	<ul style="list-style-type: none">• Représenter et résoudre des équations à un et deux étapes
11	Les statistiques et la probabilité	<ul style="list-style-type: none">• Le moyen, la médiane, et le mode• Déterminer les probabilités à l'aide d'un diagramme en arbre, d'un tableau, et des fractions• Les résultats d'événements indépendants

ASSESSMENT

Assessment will follow the guidelines outlined below:

A. Formative Assessment (for learning)

- For feedback only – **not for marks** in determining the student's term and year end marks
- Assessment tools may include:
 - Textbook questions
 - Worksheets
 - Practice quizzes
- Formative assessment tools are re-doable and students are encouraged to redo formative assessment tools until concept mastery is obtained

B. Summative Assessment (of learning)

Teacher assessment

- **For marks** and to be used in determining the student's term and year-end marks.
- Assessment tools may include
 - Quizzes and tests
 - Final exam
- Summative assessment tools are not re-doable.
- Each major unit will include multiple summative assessments.
- A student who misses a test and who is excused by a parent/guardian note acknowledging the missed test will be offered the opportunity to write a summative assessment at the teacher's convenience.
- A student who misses this second opportunity to write the excused, missed test will receive a mark of zero on the summative assessment.
- A student who has an unexcused absence on the day of a summative assessment will receive a mark of zero on the summative assessment and will not be able to write a substitute summative assessment.
- Cheating, plagiarism, or any form of academic misconduct on a summative assessment will result in a mark of zero.
- Opportunities are provided in class for students to review summative assessments.
- Tests cannot be taken home.

C. Overall Assessment

Your mark is cumulative and based on summative assessments done up to the marks cut-off deadline imposed by the teacher for each term and a final exam during the last week of school. Do not book any early departures for summer holidays until you know the final exam date.

Quizzes	30%
Tests	50%
Final Exam	20%

CLASSROOM EXPECTATIONS

1. Arrive on time	Be at your desk with materials out and ready when the bell rings. If you're not at your desk when the bell rings, you are late. Late? <ul style="list-style-type: none">• Knock once at the door, I will let you in at a convenient time• Put your late slip on my desk and seat yourself quietly• If you are late for a summative assessment you will not receive extra time to write the summative assessment• Frequent late arrivals will earn a meeting with me and lunch hour detentions
2. Arrive ready	Arrive to every class with your: <ul style="list-style-type: none">• Textbook• Binder with paper• Pens, pencils, ruler, eraser and scientific calculator
3. Absences	During your absence <ul style="list-style-type: none">• Contact a classmate to find out what homework you're missing First day back in class <ul style="list-style-type: none">• Check with me to see if you missed any homework checks or hand-outs• Write any missed quizzes Missed a test? <ul style="list-style-type: none">• Provide a dated, signed note from your parent explaining your absence. You will have the opportunity to write the missed summative assessment at a later date.
4. Respect	The primary goal of the classroom is student learning. No student will be allowed to interfere with another student's learning. <ul style="list-style-type: none">• Listen without interrupting, raise your hand when you want to contribute• Put in your best effort and work until the bell or you are told you can pack up
5. Calculators	A scientific calculator is required for this course <ul style="list-style-type: none">• Sharing of calculators during quizzes/tests is not permitted• Use of cell phones/iPods/etc. as a calculator is not permitted
6. Electronics	<ul style="list-style-type: none">• Any earbuds or headphones during instructional time will be confiscated. You may listen to music during seatwork time on Fridays.• Use of your electronic device for any other reason is not permitted and will result in confiscation. Cell phones <ul style="list-style-type: none">• Your phone will be confiscated if it is interfering with learning or work in the classroom, interrupting the lesson, or otherwise creating a distraction. I will return your phone to you at a later time of my choice.

How to have a great, successful year in Math 8

- Maintain a good attitude in class and try your best
- Make good use of class time
- Keep your binder organized
- Complete all assigned work on time
- Review regularly
- Begin studying for tests several days in advance, not the night before
- Ask for help if you are having any difficulties

Extra Help

Some concepts in Math 8 are difficult and you may find you need extra assistance. If you ever need extra help, please come to see me immediately after class to make an appointment so we can get you on track again. Often 5-10 minutes at lunch or after school is enough to help you understand a concept more fully. I am more than happy to help you with your learning. You may also email me at sthwaits@sd38.bc.ca.

Who to Contact If Absent

Write down the name, phone number, and email of three classmates so you can check with them what you've missed if you're absent.

Name	Phone number	Email Address

ACKNOWLEDGEMENT: (Please detach and return)

Students: Please acknowledge that you have read and clearly understand the contents of the course outline. Good luck – I look forward to learning with you this year!

Student Name

Student Signature

Date

Parents / Guardians: Welcome to the new school year! It is my hope that you will continue to be an active member in your child’s education. Please acknowledge that you have read and discussed the contents of this syllabus with your son or daughter by signing below. If you have any questions or concerns I would be happy to speak with you via phone, email or in person. You can email me at sthwaits@sd38.bc.ca. The school phone number is 604-668-6600. Also, if you have an email address, please include this, as it is usually a quick and efficient way for me to contact you regarding your child’s achievements or concerns related to their studies. Thank you for your cooperation.

Parent / Guardian Signature

Date

Contact phone number

Parent / Guardian Email
(will be kept confidential)