

Math at Work 10 Course Outline

Mr. Craig Evely
Duncan MacMillan High School
Winter 2018

Overview:

Math at Work 10 is designed for the student that wants to develop their critical mathematical thinking skills in the context of a workplace. The new Mathematics at Work courses provide students with more practical experiences and real-world applications to prepare them for entry into the workforce or programs of study that do not require academic level mathematics.

The Math at Work 10 course consists of 4 units:

Unit	Time	Book Chapters	Description
Measurement	40 - 45 hours	2 and 3	<ul style="list-style-type: none">- Working with imperial and SI lengths- Conversions from one system to another- Length conversions- Calculating area of 2D objects
Geometry	45 - 50 hours	5, 6 and 7	<ul style="list-style-type: none">- Estimating, measuring and applying angle properties- Right triangle geometry- Using scales and similarity- Determining unknown angles
Number	20 - 25 hours	1 and 4	<ul style="list-style-type: none">- Unit pricing- Exchanging currencies- Wages and salaries- Calculating net pay and other forms of income
Algebra	Integrated throughout all units	6	<ul style="list-style-type: none">- Setting up equations to solve for unknowns- Develop algebraic reasoning

Assessment

This course will be evaluated, in units, by the following methods:

- In-class work and homework, either through the workbook or handed out individually
- Projects where application of skills taught is necessary
- Comprehension checks will be frequently used to informally check for understanding
- Mid Chapter Quizzes
- Unit Tests
- Provincial Final Exam (Accounts for 20% of Final Grade)

Units will be weighted according to time spent covering them (see above chart). Due dates will be communicated within the semester; it is your responsibility to seek out any missed assessments and submit them in a timely manner.

Classroom Protocol

1. It is your responsibility to ask the teacher or a fellow student about missed work.
2. Have respect and consideration for others and their property.
3. Do not leave the room without permission and do not ask to leave early.
4. Use lab time efficiently - it is not for group socializing.
5. Listen carefully to instructions and focus on the work at hand.
6. I expect an atmosphere of mutual respect and consideration. This means that when you ask a question or otherwise communicate with me, I will give you my full attention. I expect the same in return.
7. Copying another student's work is dishonest and unacceptable.
8. Come prepared (notes, notebook, pens/pencils and paper). Attend all classes and make efficient use of class time to complete required activities, assignments and projects.
9. Treat the resources used in the classroom/lab properly. Any problems with the computer hardware/software, etc. need to be reported to me. Do not attempt to fix it yourself.

Behavior Policy

- The use of cell phones and iPads/iPods are not allowed during class time.
- Being late for class is not acceptable. Students have sufficient time to retrieve their class materials and arrive in class at a proper time.
- In the event of an absence to a class, you are expected to get the work that you have missed. The instructor will keep a record of all materials covered each day. If you miss a written test on the day of the absence, the test must be written the next day you are present.
- Cheating during tests and assignments is not permitted. Cheating is seen as being a choice on behalf of the student. Cheating is defined as, but not limited to:
 - o Bringing in unauthorized material to an assessment
 - o Copying off of a friend's test or assignment
 - o Plagiarizing work from any source
- You are strongly encouraged to complete all assignments and homework in a timely fashion. Dates will be given in order for you to manage the work that needs to be completed. This is an important aspect of the course. Do not leave things to the last minute, as you will have plenty of work to hand in throughout the semester!

For Parents/Guardians:

Student reports are issued four times during the school year: November, February, April and June. Parent/teacher meetings will be held during the November and April reporting periods. Please feel free to contact by email through PowerSchool or contact the school if you have any questions.

Contact:

Website: mrevely.weebly.com

Email: craig.evely@hrsbc.ca

Phone: 902-885-2777