

Welcome to Apprenticeship and Workplace Math 11!

TEACHER: Mrs. Colpitts **EMAIL:** kcolpitts@sd48.bc.ca **WEBSITE:** <http://mrscolpittswss.weebly.com>

WORKBOOK: Nelson Mathematics for Apprenticeship and Workplace 11 (2010)

CONTENT:

Topics Covered	Details
UNIT 1	Financial Literacy <i>Investing and managing money, loans, credit cards and budgets</i>
UNIT 2	Graphing, Data Analysis, and Linear Relationships <i>Graphs including line, bar, circle, infographics, linear</i>
UNIT 3	3D Objects: Surface Area and Volume and Visual Representation <i>Prisms, pyramids, cones and spheres. Exploded diagrams & perspective drawings.</i>
UNIT 4	Trigonometry <i>Proportional relationships in right triangles</i>
UNIT 5	Slope as a rate of change <i>Proportional and comparative reasoning</i>
UNIT 6	Puzzles and Games <i>Simulations through playing and creating games</i>

SKILLS:

Competencies	How?
Think Critically	<ul style="list-style-type: none">○ Reasoning and logic○ Estimating○ Processing and analyzing data and information○ Planning and conducting○ Assessing risks in the context of personal safety and social responsibility
Collaborate	<ul style="list-style-type: none">● Group projects and shared experiences● Class discourse
Contribute	<ul style="list-style-type: none">○ Sharing problem solving strategies○ Digital literacy○ Contribute to finding solutions to problems at a local & global level through inquiry
Create and Innovate	<ul style="list-style-type: none">● Probability and Statistics Fair● Modelling conceptual understanding

REQUIRED SUPPLIES for EACH class:

- 3 ring binder, loose leaf paper
- Nelson Workbook
- Dividers for each section to keep work organized. (6 in total)
- Pencils, eraser, pen and highlighters
- Ruler
- Scientific calculator (needs Sine, Cosine and Tangent functions)

EVALUATION:

In order to learn math, you must practice math. You will also be asked to complete workbook and paper assignments. Short daily quizzes will help to provide feedback on your skills. We will use a variety of methods to showcase learning activities, reflect on knowledge and share problem solving strategies.

GRADUATION NUMERACY ASSESSMENT:

It is recommended that students attempt the Graduation Numeracy Assessment in January 2019, however, this assessment is NOT affiliated with this course.

ASSIGNMENT EXPECTATIONS:

- ❖ You must successfully complete all of the assignments to meet the expectations of this course.
- ❖ You must complete all your work to the best of your ability. Do not let the work pile up. Ask for help if you need it.
- ❖ Please refer to my course website for current deadlines.

ABSENTS:

- Apprenticeship and Workplace 11 is an academic course. It requires organization and good attendance to be successful. New topics are explored each day.
- Students are expected to check the course website for missing work and upcoming deadlines.
- If an absence is planned, the student should discuss missing work with the teacher beforehand.
- *If a student is away for an extended period of time it is his/her responsibility to meet with me as soon as possible after or preferably before to set deadlines for the missing work.*

CLASSROOM EXPECTATIONS:

- a. We are kind to each other and care for one another
- b. Arrive to class on time with necessary supplies, ready to work
- c. Please no talking while I'm giving instructions. Be courteous by removing headphones during instruction.
- d. You are in Grade 11. Your cell phone should not be a distraction. Put it away.
- e. Ask questions when you don't understand the work but please think for yourselves and think critically.
- f. Have the assigned work completed before arriving to class
- g. Healthy snacks and drinks are ok as long as they do not disrupt learning by being messy, noisy or smelly. No popcorn please. Take your garbage and recyclables with you!

COURSE FEEDBACK:

Marks are updated often and once a month, I will send progress reports home. If a student or parent would like an additional progress report, just ask!

If there are any questions or concerns feel free to email me at kcolpitts@sd48.bc.ca *Email is the most efficient means of communication.*

Students please have your parent/guardian read over this course outline and the class expectations. Discuss the outline and sign the form afterwards. Keep this outline in the front of your Apprenticeship and Workplace Math 11 binder.

I have read the course outline for AW Math 11 and fully understand the class expectations; I agree to follow the class rules.	
Student Name (printed):	Student Signature:
I have read the course outline and understand the classroom expectations of my student.	
Parent Name (printed):	Parent Signature: