

GEOMETRY 9:
COURSE OUTLINE (2015-2016)

Teacher: Mr. J. Jacobs

Description: Geometry 9 is a course unique to Constable Neil Bruce Middle School. It is a half-year course developed to create more time for the Math 9 curriculum. We have taken the Geometry components out of the main Math 9 course and made this course out of them.

Prescribed Learning Outcomes: The learning outcomes for each chapter can be found online at <http://www.bced.gov.bc.ca/irp/math89/ma89toc.htm>

Course content:

- Unit 1 - Surface Area
 - section 1.3 - Surface Areas of Rectangular Prisms
 - section 1.4 - Surface Areas of Other Composite Objects

- Unit 7 - Similarity and Transformations
 - section 7.1 - Scale Diagrams and Enlargements
 - section 7.2 - Scale Diagrams and Reductions
 - section 7.3 - Similar Polygons
 - section 7.4 - Similar Triangles

- Unit 8 - Circle Geometry
 - section 8.1 - Properties of Tangents to a Circle
 - section 8.2 - Properties of Chords in a Circle
 - section 8.3 - Properties of Angles in a Circle

Learning Resource: Preparation and Practice Web Book: see directly for a copy

Assessment and Evaluation:

Practice Work:	contributes to Work Ethic: G,S,N
Binder Organization:	5% of term mark
Quizzes/Projects:	30% of term mark
Chapter Tests:	65% of term mark
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Term Marks (2):	100% of final mark

There is no final exam for this course. The final mark will be determined using the above criteria with the majority of the course mark derived from 3 major Unit/Chapter Tests scores.

Practice Work/Homework: Practice assignments will be assigned most classes and will be due the next class. The majority of practice work should be completed during class-time. Incomplete practice work then becomes homework. Students who use their class-time effectively should never have homework.

Because it is *practice*, it is expected that it will contain mistakes. That is OK! Marks are earned based on completion, not correctness, so even if you make mistakes, you will earn full marks for the completed assignment. We take up each practice assignment the day it is due. Each day's practice assignment can be found online at Jupitergrades.

Work Ethic and Practice Work: Practice work is used to determine the students' Work Ethic mark and will be accepted prior to any Unit Test. After the Unit Test, late Practice/Homework will not be accepted. Work Ethic is based on >90% Good, >83% Satisfactory, <75% Needs Improvement.

Binder Organization: I expect for your binder to have 3 separated sections.

- One section called "Instruction", which will contain your notes on how to do new skills.
- One section called "Practice", which will contain your practice assignments.
- One section called "Quizzes and Tests", which contains your marked quizzes and tests.

Sections 1 and 3 will be marked based on completeness and organization. Section 2 is up to you to keep organized.

Quizzes: Quizzes can be expected frequently and at any time, so it is important you stay up to date with what the class is working on.

Chapter Tests: Chapter tests will assess the student's mastery of the material in the chapter. At least a week's advance notice will be given for any of these tests, so students can take action if they need help with any sections. Students who fail their chapter tests are *expected* to correct their test and write a retest. As well as doing test corrections, all incomplete assignments and homework must be completed as a prerequisite for taking a rewrite. Parents will be informed of any failed tests.

Absence: Because students who are absent still need to know the material covered during their absence, they are responsible for completing the practice work assigned while they were away. Check my Jupitergrades for the day's assignment. Quizzes missed due to absence *do not* need to be made up – the student is excused. Chapter tests must be made up within a week of the scheduled date.

Extra Help: Because this class moves at a rapid pace, it is expected that all of you will need some extra help from time to time. Get help, or your confusion will grow, guaranteed. I am available every morning, just drop in and by appointment for lunch and after school each day.

Calculators: Scientific calculators are required in this course. Bring your own calculator to every class. All calculators are different, and you need to develop a detailed knowledge of your own. I will never lend you one, and sharing calculators during quizzes and tests is not allowed.