



CAMPBELL HIGH SCHOOL
COURSE OUTLINE
Semester 2 2017

Yr 10 Australian Curriculum Mathematics – Extension

Teacher: *Karen Brown*

Course Description

This class has been following the Extension Mathematics Pathway. This pathway is for students who are able to independently access the skills, issues, themes and concepts covered by the Mathematics Achievement Standards for their age group.

Learning Outcomes

- Solve problems involving logarithmic functions
- Able to prove congruency and similarity of triangles
- Use Pythagoras' theorem and trigonometry to solve problems involving right-angled triangles
- Use trigonometry to solve problems involving non-right-angled triangles and trigonometric functions
- Able to construct displays of data using a variety of methods
- Able to analyse and interpret data
- Identify outcomes and determine probabilities of single and multiple events
- Solve problems involving compound interest.

Work Practice Outcomes

- Cooperates with the teacher and other students
- Exhibits a self-disciplined approach to work
- Completes set class work
- Completes set homework

Materials Required

Pens, pencils, ruler, eraser, scientific calculator, workbook

Typical Homework

Homework will be set on: <www.mymathsonline.com.au>. All students will have their own unique log-on and password to access specific tasks. Students who have difficulty accessing the internet may use the computers in the library or attend tutorials every Wednesday at long break. Homework may also include topic investigations as well as completion and revision of classwork.

Assessment Items

Common & Extension Assessment
Common Assessment
Common Assessment
Common Assessment
Common Assessment
Homework

Due Date

Week 5
Week 8
Week 10
Week 13
Week 16
Ongoing

Parent Signature _____

Student Signature _____

Date