Yr 10 Australian Curriculum Mathematics – Core  Teacher: Penny Troy

Course Description
This mathematics course aims to promote a positive attitude to mathematics and its relevance as well as a sound understanding of mathematics and its processes. Topics covered include factorisation and explanation of algebraic expressions, simultaneous equations, linear equations, area and congruency.

Learning Outcomes
Factorises algebraic expressions, including binomial products
Expands binomial products
Simplifies and solves algebraic expressions, including algebraic fractions and index laws
Solves simultaneous equations using graphical and analytical methods
Solves problems involving linear equations and inequalities
Solves problems involving surface area and volume for a range shapes
Able to prove congruency and similarity of triangles

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 logon and password to access specific tasks. Students who have difficulty accessing the internet may use the computers in the library, or attend tutorials every Thursday at long break. Homework may also include topic investigations as well as completion and revision of classwork.

Assessment Items  Due Date
Common Test  Week 4
Common Test  Week 8
In Class Assessment  Week 10
Common Test  Week 17
In Class Assessment  Week 20
Homework  ongoing

Parent Signature ________________________  Student Signature _______________________  Date