CAMPBELL HIGH SCHOOL  
COURSE OUTLINE  
Semester 1 2015

Yr 10 Australian Curriculum Mathematics – Core  
Teacher: Rezaul Mridha

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

<table>
<thead>
<tr>
<th>Assessment Items</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Test</td>
<td>Week 4</td>
</tr>
<tr>
<td>Common Test</td>
<td>Week 8</td>
</tr>
<tr>
<td>In Class Assessment</td>
<td>Week 10</td>
</tr>
<tr>
<td>Common Test</td>
<td>Week 17</td>
</tr>
<tr>
<td>In Class Assessment</td>
<td>Week 20</td>
</tr>
<tr>
<td>Homework</td>
<td>ongoing</td>
</tr>
</tbody>
</table>