

Year 10 Mathematics A Subdivision	Strand: Measurement and geometry.
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Key Competencies	The Learning Context
Managing self. Relating to others.	Objective: To subdivide a section of the school playing fields. <ul style="list-style-type: none"> • Working in groups, identify a section of the school fields that could be subdivided. • The area of the subdivision needs to be accurately measured and drawn to scale. • Groups need to collect relevant information about subdivisions such as legal constraints on the size of sections, widths of roads etc. Local bodies are a useful source for student interviews or expert visits. • Possibly consider removal of topsoil and the calculation of volumes and costs. • Extend into pricing for sale of the sections, considering the relevant market conditions, target market and nature of the building types. • Calculate the size of each section. • Work with the business studies students to work out costings, business plans and marketing strategies.
Enterprising Attributes	
Decision making. Problem solving. Visionary. Learning from mistakes. Negotiating.	
Content	Assessment Ideas
Areas of polygons and composite shapes Metric units. Volume. Possibility of flowing into other bits of geometry.	<ul style="list-style-type: none"> • Plan of subdivision produced with areas calculated. • With specifications and calculations included.