

Grade 7 – Teaching and Assessment Plans overview for Maths, Natural Science, Social Sciences and Technology, from 01/06 – 12/06

Maths

Key Topics	Week 1	Week 2
Geometry of 2D shapes	<p>Orientation: Day 1</p> <p>Day 2: Revision: Geometry of straight lines:</p> <p>Day 3,4,5 Constructions: Revision Accurately use a protractor to measure and classify angles: -- $< 90^\circ$ (acute angles) -- Right-angles -- $> 90^\circ$ (obtuse angles) -- Straight angles -- $> 180^\circ$ (reflex angles) Constructions • Accurately construct geometric figures appropriately using a compass, ruler and protractor, including: -- angles -- circles -- parallel lines -- perpendicular lines</p>	<p>Classification of 2 D shapes - Describe, sort, name and compare triangles - Describe, sort, name and compare quadrilaterals -Describe and name parts of a circle</p> <p>Similar and congruent 2D shapes -Recognize and describe similar and congruent figures by comparing size and shape</p> <p>Solving problems -Solve simple geometric problems involving unknown sides and angles in triangles and quadrilaterals, using known properties.</p>
Resources	Oxford Successful Textbook – pg.'s 84-86; 63 -70	Oxford Successful Textbook – pg.'s Ex1 pg.; 91 Ex2 pg. 92 (revision) pg.'s 97 – 105; 107 -115
E-resources	<p>Worksheetcloud.com:</p> <p>24April - Lesson: Angles in Parallel Lines 28 April - Lesson: Angles Revision</p>	29 April - Play Lesson: Angles in Triangles and Quadrilaterals
Assessment – towards the end of term 2	Assignment	

Natural Science

Weeks 1 - 2	
Key Topics	Properties of Materials
Resources	Platinum Natural Sciences pg.'s 65 - 78
Activities	Act3 pg. 67; Act4 pg. 68; Act5 pg. 69; Act8 pg.72; Act9 pg. 73; Act10 pg. 75; Act. 11 pg. 77; Topic5 revision
Assessment – towards the end of the term.	Test – on Term 2 work.
Online resources	Worksheetcloud.com: 14 April- Lesson: Physical properties of materials 15 April - Lesson: Impact of plastic on the environment

SS – History

Week	Key Topics	Resources	Activities
1	The Transatlantic slave trade	Platinum – Social Sciences	Pg.'s 128 - 131
2		Platinum – Social Sciences	Pg's 132 - 139
https://www.sahistory.org.za/article/grade-7-term-2-transatlantic-slave-trade			

SS - Geography

Topic	Week 1	Week 2
Volcanoes, earthquakes and floods	Structure of the earth Core, mantle, crust, How the crust moves: - introduction to tectonic plates and plate movements □	Volcanoes - Location around the world (map), - Why volcanoes occur.
Resources	Platinum Social Sciences – pg.'s 26 -31	Platinum Social Sciences – pg.'s 32 - 35
Activities	Act1 pg. 29	Act1 pg. 29; Act2 pg. 35
E-resources	https://www.youtube.com/watch?v=RpGyPos8xfc&t=90s https://www.youtube.com/watch?v=Kg_UBLFUpYQ https://www.youtube.com/watch?v=Kg_UBLFUpYQ	

Technology

Key Topic	Weeks 1 and 2	Week 2
STRUCTURES	<p>Definition and purpose of structures to contain, protect, support, span.</p> <ul style="list-style-type: none"> • Classification of structures: natural and man-made. Types of structures: shell, frame, solid – learners complete a worksheet. • Investigate: a cell phone tower –a frame structure • Case study: examine existing towers strengthened by triangulation, including pylons, windmills and mine headgear • Practical activity 3 – stiffen a frame structure by triangulation. 	<ul style="list-style-type: none"> • Investigate: a cell phone tower –a frame structure • Case study: examine existing towers strengthened by triangulation, including pylons, windmills and mine headgear • Practical activity 3 – stiffen a frame structure by triangulation.
Resources	Platinum Technology pg. 's 54 - 59	Platinum Technology Pg. 's 60 -61
Activities	Enabling Task 1 pg. 57; Enabling Task 2 pg. 59	Enabling Task 3 pg. 61
Online resources	https://www.youtube.com/watch?v=jh3wLR-bG-I https://www.youtube.com/watch?v=8mxx8UAgPAI https://www.youtube.com/watch?v=mBHJtWbsiaA	