

GRADE 10 ESSENTIAL MATHEMATICS TERM 3 RECORDS OF WORK - MENTOR

Week 1

TER M	WEE K	DATE S	MO N	TU E	WE D	TH U	FR I	
Term 3	1							
SUBJECT & GRADE		DA Y	PERI OD	STRAND & WORK COVERED			REFERENC E / MAIN BOOK AND ITS PAGES	REMAR KS
Grade 10 Essential Mathematic s				Measurements and Geometry - Volume and Capacity (Volume of a Cone): Modelled cones and cylinders of equal dimensions; established the volume relationship using sand filling and applied the formula $V = \frac{1}{3}\pi r^2 h$. Assessed via observation and written assignments.			Mentor Essential Mathematics , pg 132-133	
Grade 10 Essential Mathematic s				Measurements and Geometry - Volume and Capacity (Volume of Cone Given Slant Height): Applied the Pythagorean theorem to calculate vertical height from slant height and computed cone volumes. Assessed via observation and written assignments.			Mentor Essential Mathematics , pg 134	
Grade 10 Essential Mathematic s				Measurements and Geometry - Volume and Capacity (Volume of a Pyramid): Measured square and rectangular pyramid models; calculated volumes using the formula $V = \frac{1}{3} \times$ base area $\times$ height. Assessed via oral questions and written tests.			Mentor Essential Mathematics , pg 135	
Grade 10 Essential Mathematic s				Measurements and Geometry - Volume and Capacity (Problems on Volume of Pyramids &			Mentor Essential Mathematics , pg 136, 138	

SUBJECT & GRADE	DAY	PERIOD	STRAND & WORK COVERED	REFERENCE / MAIN BOOK AND ITS PAGES	REMARKS
			Frustum of a Cone): Solved practical pyramid capacity problems; constructed frustum models and calculated volumes. Assessed via oral questions and written assignments.		
Grade 10 Essential Mathematics			Measurements and Geometry - Volume and Capacity (Problems on Frustum of a Cone): Calculated volumes and capacities of frustum-shaped containers; converted cubic units to litres and millilitres. Assessed via observation and written assignments.	Mentor Essential Mathematics , pg 140	
General comments if any		Headmaster	Date		

Week 2

TER M	WEE K	DATE S	MO N	TU E	WE D	TH U	FR I	
Term 3	2							
SUBJECT & GRADE		DAY	PERI OD	STRAND & WORK COVERED			REFERENC E / MAIN BOOK AND ITS PAGES	REMAR KS
Grade 10 Essential Mathematic s				Measurements and Geometry - Volume and Capacity (Frustum of a Pyramid): Constructed pyramid models; determined frustum volumes by subtracting the cut-off pyramid volume from the original pyramid volume. Assessed via practical work and written tests.			Mentor Essential Mathematics , pg 142, 144	