GRADE 10 ESSENTIAL MATHEMATICS TERM 3 RECORDS OF WORK – MENTOR

Week 1

TERM	WEEK	DATES	MON	TUE	WED	THU	FRI
Term 3	1						

SUBJECT & GRADE	DAY	PERIOD	STRAND & WORK COVERED	REFERENCE / MAIN BOOK AND ITS PAGES	REMARKS
Grade 10 Essential Mathematics			**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 Mathematics			**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 Mathematics			**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 × height. Assessed via	Mentor Essential Mathematics, pg 135	