GRADE 10 POWER MECHANICS RECORDS OF WORK 2027

Terms 1, 2 and 3 | Ministry of Education calendar 2027 (Senior School) | 6 lessons a week

Teacher's name _____ School _____

Class / stream _____ TSC number _____

TERM 1

Wk	Dates	Strand / sub-strand	Work covered	Reflection / remarks	Sign
1	4 Jan - 8 Jan (6 lessons)	**1.0 Fundamentals of Power Mechanics Technology** - 1.1 Overview of Power Mechanics as a learning area	1. What power mechanics is and where we meet it every day 2. Power mechanics in the curriculum and its links to other subjects 3. Career opportunities in power mechanics I 4. Practical: investigating power mechanics activities in the locality 5. Evaluating power mechanics activities in the locality 6. The importance of power mechanics to the community and the country		
2	11 Jan - 15 Jan (6 lessons)	**1.0 Fundamentals of Power Mechanics Technology** - 1.2 Evolution of automobile	1. Before the engine: human and animal power, the wheel and steam 2. The internal combustion engine and the first petrol cars 3. Mass production and the automobile for everyone 4. Modern trends: hybrid, electric and connected vehicles 5. The importance of innovation in automobile development 6. Practical: building a timeline of the automobile		
3	18 Jan - 22 Jan (6 lessons)	**1.0 Fundamentals of Power Mechanics Technology** - 1.3 Power mechanics workshop layout	1. The main areas of a power mechanics workshop 2. Why the areas are where they are: flow of work and safety 3. Practical: measuring a workshop and drawing it to scale 4. The importance of the workshop areas I: pit, benches and stores 5. The importance of the workshop areas II: fuel, joining, wash and waste areas 6. Housekeeping and the 5S method		
4	25 Jan - 29 Jan (6 lessons)	**1.0 Fundamentals of Power Mechanics Technology** - 1.4 General workshop rules and regulations	1. Why workshop rules and regulations are needed 2. Rules on behaviour, dress and hygiene 3. Safety signs and symbols		
5	1 Feb - 5 Feb (6 lessons)	**1.0 Fundamentals of Power Mechanics Technology** - 1.4 General workshop rules and regulations	1. Safety signs and symbols 2. Practical: making and placing safety signs, and a workshop hazard walk 3. Personal protective equipment I: head, eyes, ears and hands		
6	8 Feb - 12 Feb (6 lessons)	**1.0 Fundamentals of Power Mechanics Technology** - 1.4 General workshop rules and regulations	1. Personal protective equipment II: feet, lungs and body, and its care 2. Fire safety I: how fires start and how to prevent them 3. Fire safety II: fire extinguishers and how to use them		