Table of Specifications: General Science, Quarter 1

Learning Competency	Cognitive Level	No. of Items	Item Placement
1. Physics in Daily Life: Identify ways physics enhances quality of life (household, health, safety, etc.).	Remembering / Understanding	4	Multiple Choice: 1, Short Explanation: 41
2. Motion Comparison: Compare and contrast translational and rotational motion.	Understanding / Analyzing	4	Multiple Choice: 3, 4 Identification: 31, 32
3. Motion Demonstration: Relate linear/angular quantities to human movement and ergonomic design.	Applying	2	Multiple Choice: 5
4. Machine Design: Apply motion concepts to design efficient simple and compound machines.	Evaluating / Creating	2	Short Explanation: 42
5. Machine Efficiency: Explain the characteristics of efficient simple and compound machines.	Understanding / Applying	4	Multiple Choice: 6, 7 Short Explanation: 43

6. Hydraulics: Explain how hydraulic systems use fluid principles to enhance machines.	Remembering / Applying	4	Multiple Choice: 8, 9 Identification: 33, 34
7. Fluid Principles: Identify applications of Archimedes' and Pascal's principles.	Remembering / Understanding	4	Multiple Choice: 10, 11 Short Explanation: 44
8. Buoyancy Experiment: Design activities to determine how physical properties affect floating.	Creating	2	Short Explanation: 45
9. Electrical Safety: Discuss safety practices for electrical hazards.	Remembering / Applying	6	Multiple Choice: 12, 13, 14 Identification: 35, 36 Short Explanation: 46
10. Energy Conservation: Propose ways to minimize energy loss and wastage.	Applying / Creating	6	Multiple Choice: 15, 16, 17 Identification: Short Explanation: 47, 48
11. Light & Sound Properties: Discuss properties of light and sound waves in technology.	Understanding / Analyzing	6	Multiple Choice: 18, 19, 20 Identification: 38, 39 Short Explanation: 49

12. Light & Sound Innovations: Identify innovations like soundproofing, LEDs, lasers, etc.	Remembering / Understanding	6	Multiple Choice: 21, 22, 23, 24, 25 Identification: 40 Short Explanation: 50
TOTAL		**50**	