

SMARTWIZ

GRADE 6 TECHNOLOGY EXAM

MARKS: 50

MARKS	

TIME: 1 hour

SCHOOL _____

CLASS (e.g. 4A) _____

SURNAME _____

NAME _____

MYST PATHWORKS

Instructions for Students:

- > Read all instructions carefully before beginning the exam.
- > Write your name and student ID clearly on the answer sheet/booklet.
- > Answer all questions unless otherwise stated.
- > Show all your work/calculations where applicable.
- > Write clearly and legibly.
- > Use blue or black ink only. * Do not use correction fluid/tape.
- > No electronic devices (calculators, phones, etc.) are allowed unless explicitly permitted.
- > Raise your hand if you have any questions.
- > Do not talk to other students during the exam.
- > Any form of cheating will result in disqualification.

Grade 6 Technology Exam Paper

No images, diagrams, or pictures

Time: 1 hour

Total: 50 Marks

Question 1: Types of Technology (8 marks)



1.1 Define the term “technology.” (2)

1.2 Name two types of technology used at home. (2)

1. _____

2. _____

1.3 How does technology help people in their daily lives? (2)

1.4 Give one example of communication technology. (2)

Question 2: Materials and Their Uses (8 marks)

2.1 What is the difference between natural and man-made materials? (2)

2.2 Complete the table by matching the material with its common use:

Material	Common Use
Wood	
Plastic	
Glass	
Cotton	

(4 marks – 1 each)

2.3 Why is it important to recycle materials? (2)

Question 3: Machines and Tools (8 marks)

3.1 What is a simple machine? Give one example. (2)

3.2 List two tools used for measuring. (2)

1.

2.

3.3 Why must tools be stored safely after use? (2)

3.4 Name one safety rule when using electrical tools. (2)

Question 4: Energy Sources (8 marks)

4.1 Name three sources of energy used in homes. (3)

1.

2.

3.

4.2 Explain what renewable energy means. (2)

4.3 Why is it better to use renewable energy? (3)

Question 5: Designing a Product (10 marks)

5.1 What is the first step in designing a product? (2)

5.2 Why is it important to make a plan before building something? (2)

5.3 What should you do if your product does not work properly? (2)

5.4 Name two materials you could use to build a simple chair. (2)

1. _____
2. _____

5.5 What is a prototype? (2)

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Question 6: Technology and Environment (8 marks)

6.1 How can technology harm the environment? (2)

6.2 What can people do to protect the environment when using technology? (3)

6.3 Name two ways technology helps to save the environment. (3)

1. _____
2. _____

TOTAL: 50 MARKS

MEMO – Grade 6 Technology Exam

Total: 50 Marks

Question 1: Types of Technology (8 marks)

1.1

- Technology means the use of tools, machines, or knowledge to solve problems or make life easier. (2)

1.2

- Television, microwave, computer, telephone, washing machine (any two) (2)

1.3

- Technology helps by saving time, making work easier, and helping us communicate quickly. (2)

1.4

- Telephone, internet, radio, television (any one) (2)
-

Question 2: Materials and Their Uses (8 marks)

2.1

- Natural materials come from nature (like wood, cotton).
- Man-made materials are made by people (like plastic, glass). (2)

2.2 Table:

Material	Common Use
Wood	Furniture, houses
Plastic	Containers, toys
Glass	Windows, bottles
Cotton	Clothes, fabric

(4 marks – 1 each)

2.3

- Recycling saves resources, reduces waste, and protects the environment. (2)
-

Question 3: Machines and Tools (8 marks)

3.1

- A simple machine is a tool that makes work easier, like a lever or pulley. Example: Lever. (2)

3.2

- Ruler, measuring tape, scale (any two) (2)

3.3

- To prevent accidents, keep tools in good condition, and find them easily when needed. (2)

3.4

- Do not touch electrical tools with wet hands.
 - Always unplug tools before fixing them.
 - Use protective gear. (Any one safety rule) (2)
-

Question 4: Energy Sources (8 marks)

4.1

- Electricity, gas, solar energy, wood (any three) (3)

4.2

- Renewable energy comes from sources that do not run out, like the sun, wind, or water. (2)

4.3

- It does not pollute the environment, it is clean, and it is sustainable for the future. (3)
-

Question 5: Designing a Product (10 marks)

5.1

- The first step is to identify the problem or need. (2)

5.2

- Planning helps to organize ideas and make sure the product works well before building. (2)

5.3

- Test the product, find what is wrong, and improve or fix it. (2)

5.4

- Wood, metal, plastic, cardboard (any two) (2)

5.5

- A prototype is a simple model or sample of a product to test the idea before making the final version. (2)

Question 6: Technology and Environment (8 marks)

6.1

- Technology can create pollution, waste, and damage nature. (2)

6.2

- Use energy-saving devices, recycle, reduce waste, and avoid harmful chemicals. (3)

6.3

- Solar panels, wind turbines, electric cars, water-saving technology (any two) (3)

✓ **TOTAL: 50 MARKS**