

SMARTWIZ

GRADE 4 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.

QUESTION 1: Energy for Work (5 marks)

Fill in the blanks using the words below:
(muscles, electricity, sun, petrol, wind)

1. We use _____ to move our bodies.
2. A car engine needs _____ to work.
3. The _____ gives energy to plants.
4. We use _____ to power TVs and fridges.
5. _____ turns wind turbines to create power.



QUESTION 2: Materials Around Us (5 marks)

Look at each item and choose the material it is made from:
(wood, metal, plastic, glass, fabric)

1. A window: _____
2. A school desk: _____
3. A spoon: _____
4. A T-shirt: _____
5. A water bottle: _____

QUESTION 3: Tools and What They Do (5 marks)

Match the tool to what it is used for.

- A. Hammer
- B. Scissors
- C. Screwdriver
- D. Saw
- E. Tape measure

1. Cuts wood – _____
2. Hits nails – _____
3. Cuts paper – _____
4. Measures length – _____
5. Turns screws – _____

QUESTION 4: Types of Communication (5 marks)

Tick (✓) the modern forms of communication:

- ☐ Telegram

- ☐ Cellphone
- ☐ Letter
- ☐ Email
- ☐ WhatsApp

(Tick only the correct ones)

QUESTION 5: Strong Structures (5 marks)

[INSERT A PICTURE of a triangle-based tower and a square-based tower]

Look at the towers and answer:

1. Which shape is stronger? _____
 2. Which shape bends more easily? _____
 3. Which shape is used in bridges? _____
 4. What material would make the towers strong? _____
 5. Why do we need strong structures? _____
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QUESTION 6: Household Technology (5 marks)

Write **yes** or **no**:

1. Does a fridge help keep food fresh? _____
 2. Does a broom use electricity? _____
 3. Can you cook with a microwave? _____
 4. Does a washing machine clean clothes? _____
 5. Is a pillow a machine? _____
-

QUESTION 7: Safe Use of Tools (5 marks)

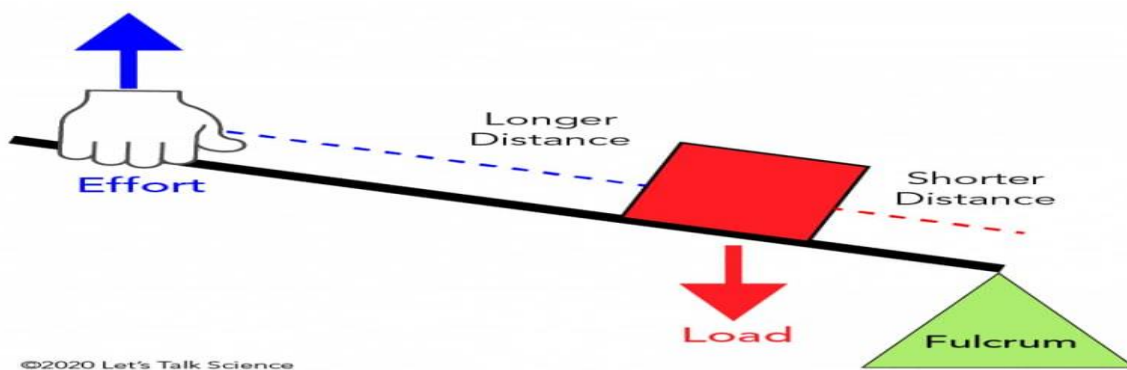
Answer in full sentences:

1. Why should you not run with scissors?
 2. What must you wear to protect your hands?
 3. Where should you keep tools after using them?
 4. Why should tools not be left on the floor?
 5. Name one tool that can hurt someone if not used carefully.
-

Write **natural** or **processed** for each:

1. Tree – _____
2. Paper – _____
3. Milk – _____
4. Cheese – _____
5. Wool from a sheep – _____

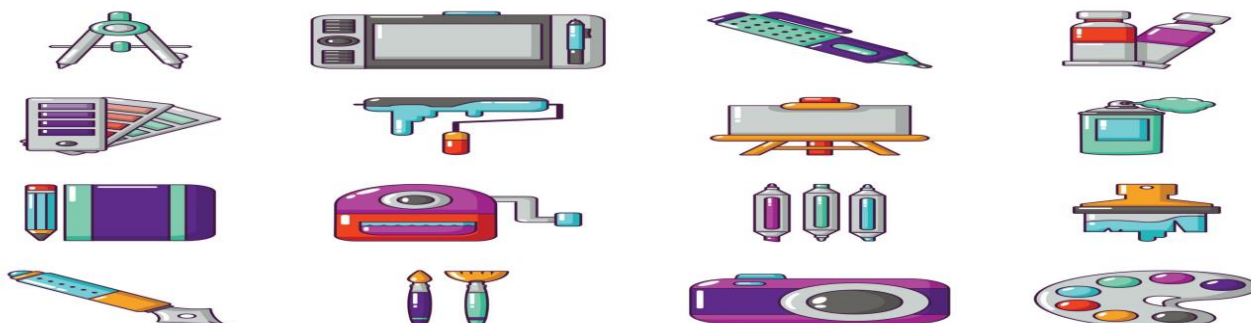
Look at the picture of a seesaw and answer:



1. What is the middle point called? _____
2. What is the child called who lifts the weight? _____
3. What is the thing being lifted called? _____
4. Is a seesaw a simple machine? _____
5. Give another example of a lever. _____

Design a tool to collect rainwater.

1. What container will you use? _____
2. Where will you place it? _____
3. What shape is the container? _____
4. What will you use to cover it? _____
5. What will you use the water for? _____



GRADE 4 TECHNOLOGY – MEMO

QUESTION 1: Energy for Work (5 marks)

1. Muscles
2. Petrol
3. Sun
4. Electricity
5. Wind

✓ 1 mark each = 5 marks

QUESTION 2: Materials Around Us (5 marks)

1. Glass
2. Wood
3. Metal
4. Fabric
5. Plastic

✓ 1 mark each = 5 marks

QUESTION 3: Tools and What They Do (5 marks)

1. D – Saw
2. A – Hammer
3. B – Scissors
4. E – Tape measure
5. C – Screwdriver

✓ 1 mark each = 5 marks

QUESTION 4: Types of Communication (5 marks)

Correct ticks:

- ✓ Cellphone
- ✓ Email
- ✓ WhatsApp

✓ **1 mark each correct tick = 3 marks**

✓ **Deduct 1 mark for each incorrect tick. Max = 5 marks**

QUESTION 5: Strong Structures (5 marks)

1. Triangle
2. Square
3. Triangle
4. Steel / Metal / Strong material
5. To keep buildings, bridges, and towers safe

✓ **1 mark each = 5 marks**

QUESTION 6: Household Technology (5 marks)

1. Yes
2. No
3. Yes
4. Yes
5. No

✓ **1 mark each = 5 marks**

QUESTION 7: Safe Use of Tools (5 marks)

Expected short sentence answers like:

1. You can hurt yourself or someone else.
2. Gloves / Safety gloves.
3. In a toolbox / safe place.
4. Someone can trip or get hurt.
5. Hammer / Saw / Scissors (any reasonable answer)

✓ **1 mark each = 5 marks**

QUESTION 8: Natural or Processed (5 marks)

1. Natural
2. Processed
3. Natural
4. Processed

5. Natural

✓ 1 mark each = 5 marks

QUESTION 9: Levers (5 marks)

1. Fulcrum
2. Effort
3. Load
4. Yes
5. Scissors / Hammer / Bottle opener (any valid example of a lever)

✓ 1 mark each = 5 marks

QUESTION 10: Design a Rainwater Collector (5 marks)

Accept logical answers such as:

1. Bucket / Drum
2. Outside / Under roof / Near house
3. Round / Square / Cylindrical
4. Net / Lid / Plastic cover
5. Watering plants / Cleaning / Saving water

✓ 1 mark each = 5 marks

Total 50 MARKS