

SMARTWIZ

GRADE 4 TECHNOLOGY EXAM

MARKS: 50

MARKS	

TIME: 1 hour

SCHOOL _____

CLASS (e.g. 4A) _____

SURNAME _____

NAME _____

MYST PATHWORKS

Instructions for Students:

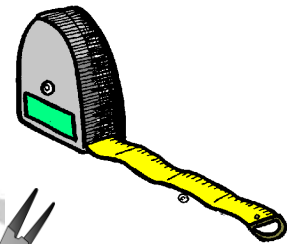
- > Read all instructions carefully before beginning the exam.
- > Write your name and student ID clearly on the answer sheet/booklet.
- > Answer all questions unless otherwise stated.
- > Show all your work/calculations where applicable.
- > Write clearly and legibly.
- > Use blue or black ink only. * 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: Tools and Equipment (5 marks)

Match the tools to their correct use. Write only the letter (A–E) next to the number.

1. Hammer
2. Screwdriver
3. Ruler
4. Saw
5. Pliers

- A. Cutting wood
- B. Hitting nails
- C. Tightening screws
- D. Measuring length
- E. Gripping wires



QUESTION 2: Types of Materials (5 marks)

Write down the best material for each item:

1. A glass bottle is made from _____
 2. A wooden chair is made from _____
 3. A plastic bottle is made from _____
 4. A metal gate is made from _____
 5. A t-shirt is made from _____
-

QUESTION 3: Structures (5 marks)

Fill in the blanks using the words in the box:

(roof, strong, support, base, door)

1. A house must have a _____ to keep rain out.
 2. A structure must be _____ so it doesn't fall.
 3. The _____ helps the structure to stand.
 4. A _____ lets people go in and out.
 5. A pillar gives _____ to a building.
-

QUESTION 4: Safety in Technology (5 marks)

Circle the correct answer.

1. You must run in the classroom. (True / False)
 2. Use tools carefully. (True / False)
 3. Wear safety goggles when working. (True / False)
 4. Touching electric wires is safe. (True / False)
 5. Wash hands after working. (True / False)
-

QUESTION 5: Design Process (5 marks)

Arrange the steps in the correct order by writing 1 to 5:

- ___ Make the product
- ___ Plan and draw the idea

- ___ Identify the problem
 - ___ Test the product
 - ___ Investigate and collect information
-

QUESTION 6: Communication (5 marks)

Answer the following:

1. Name one old way of communication: _____
2. Name one modern way of communication: _____
3. What tool do we use to make a poster? _____
4. What is one use of a cell phone? _____
5. What is the difference between a telephone and a letter?

QUESTION 7: Moving Systems (5 marks)

Look at the picture and answer the questions.

[INSERT A PICTURE of a wheel and axle – include labels like “wheel” and “axle”]

1. What is this system called? _____
2. What part helps the wheel turn? _____
3. Where do we see this in real life? _____
4. Is this a moving or fixed system? _____
5. Why do we use wheels? _____

QUESTION 8: Energy Sources (5 marks)

Tick (✓) the items that use electricity:

- ☐ Iron
 - ☐ Pencil
 - ☐ Television
 - ☐ Stove
 - ☐ Cup
-

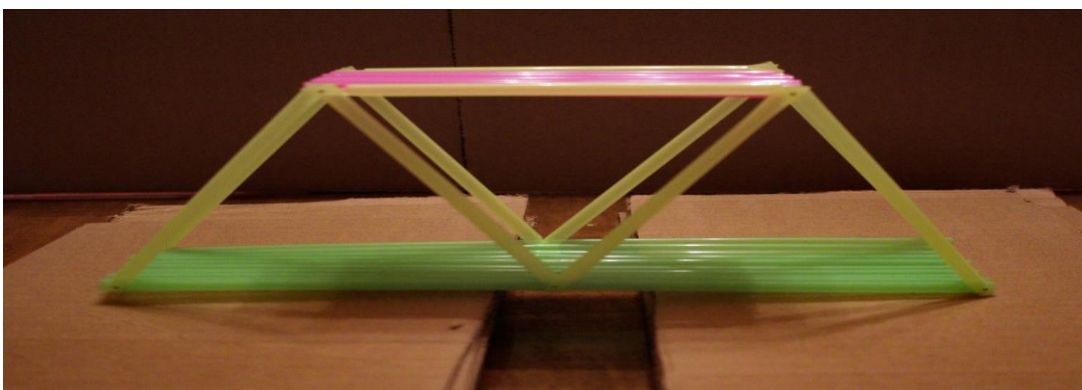
QUESTION 9: Products Around Us (5 marks)

Write **natural** or **man-made** for each item:

1. Tree –
 2. Table –
 3. River –
 4. Car –
 5. Wool –
-

QUESTION 10: Building a Model (5 marks)

Imagine you are building a small bridge using straws.
Answer the questions below:



1. What material are you using? _____
2. What will the bridge carry? _____
3. How can you make the bridge strong? _____
4. Will you need glue or tape? _____
5. What shape will give strength to your bridge? _____



GRADE 4 TECHNOLOGY MEMORANDUM

QUESTION 1: Tools and Equipment (5 marks)

1. B – Hitting nails
2. C – Tightening screws
3. D – Measuring length
4. A – Cutting wood
5. E – Gripping wires

[1 mark each = 5 marks]

QUESTION 2: Types of Materials (5 marks)

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

[1 mark each = 5 marks]

QUESTION 3: Structures (5 marks)

1. Roof

2. Strong
3. Base
4. Door
5. Support

[1 mark each = 5 marks]

QUESTION 4: Safety in Technology (5 marks)

1. False
2. True
3. True
4. False
5. True

[1 mark each = 5 marks]

QUESTION 5: Design Process (5 marks)

Correct order:

1. Identify the problem
2. Investigate and collect information
3. Plan and draw the idea
4. Make the product
5. Test the product

[1 mark each = 5 marks]

QUESTION 6: Communication (5 marks)

1. Drum / Letter / Smoke signals
2. Cell phone / Email / Social media
3. Pencil / Crayons / Markers
4. To call / message / browse / take photos
5. A telephone is faster and electronic, a letter is slower and written on paper

[1 mark each = 5 marks]

QUESTION 7: Moving Systems (5 marks)

1. Wheel and axle
2. Axle
3. Bicycle / Car / Cart
4. Moving system
5. To make movement easier / reduce effort

[1 mark each = 5 marks]

QUESTION 8: Energy Sources (5 marks)

- ✓ Iron
- ✓ Television
- ✓ Stove

****[1 mark for each correct tick, max 3 marks]**

- 2 marks for not ticking Pencil and Cup**

Total = 5 marks

QUESTION 9: Products Around Us (5 marks)

1. Natural
2. Man-made
3. Natural
4. Man-made
5. Natural

[1 mark each = 5 marks]

QUESTION 10: Building a Model (5 marks)

1. Straws
2. People / Toy cars / Objects
3. Use triangle shapes / Add supports / Tape the joints
4. Yes
5. Triangle

[1 mark each = 5 marks]

Total 50 Marks

MAP

MYST PATHWORKS