



Province of the
EASTERN CAPE
EDUCATION

SENIOR PHASE

GRADE 7

NOVEMBER 2023

TECHNOLOGY-MEMORANDUM

MARKS: 60

75 MINUTES

NAME & SURNAME: _____

CLASS _____

DATE: _____ NOVEMBER 2023

SCHOOL: GROUP A

ASSESSOR: TEACHER A

MODERATOR: TEACHER B

INSTRUCTION AND INFORMATION

1. Read all the instructions of all the questions.
2. Write neatly and legibly
3. Read through the questions carefully and make sure that you allocate enough time for each question.
4. Answer all the questions
5. This paper consists of 3 sections and 6 Questions

SECTION A:**QUESTION 1:**

Choose the correct answer from the possible answers below.

1.1 C ✓

1.2 B ✓

1.3 C ✓

1.4 A ✓

1.5 B ✓

QUESTION 2:

Match the term in column A with the correct answer in column B

1. C ✓

2. B ✓

3. C ✓

4. A ✓

5. B ✓

[5]

QUESTION 3:

3.1 I am going to design and make a storing device t✓ hat will be able to store the✓ CD's and DVD's safely and protected from getting damaged. ✓

3.2 – Time consuming, It's affected by the environmental (material), Lack of material. ✓✓

(Any two)

3.3 a) be neat and safe to use, be attractive, must be affordable, resources must be available.

✓✓ (Any of the two)

3.4 Material: Cardboard, Glue, Paper, (Any relevant answer) ✓

Tools: Scissor, nails, pliers (Any relevant answer) ✓

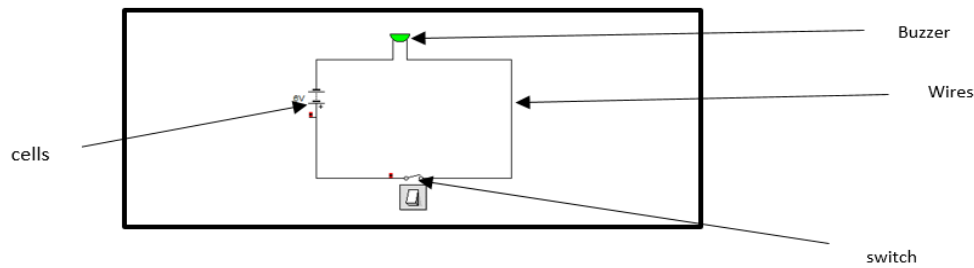
3.5 You will draw/make a final drawing. ✓

3.5 Is it neat and safe to use, is it attractive by the look and will it be able to protect the CD's and DVD's from getting damaged? (Any relevant answer). ✓✓

SECTION B:

Question 5

5.1. Draw and label the diagram as the simple circuit using the circuit components (4)



RUBRIC FOR CIRCUIT DIAGRAM.

Relevance	Correct labelling	Neatness	Total
1 ✓	2 ✓✓	1 ✓	4

5.2 The energy that flows through an electrical circuit is called a **Current** ✓ (1)

5.3 Classify the following components as either an INPUT DEVICES, PROCESS DEVICES OR OUTPUT DEVICES.

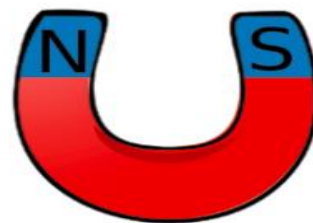
5.3.1 Switch: **INPUT** ✓ (1)

5.3.2 Wires: **PROCESS** ✓ (1)

5.3.3 Cell: **INPUT** ✓ (1)

5.3.4 Buzzer: **OUTPUT** ✓ (1)

5.4



5.4.1 Bar Magnet ✓ (1)

5.4.2 Radio, Sliding doors, railways, (Any relevant answer). ✓ (1)

5.4.3 Because of the effect of magnetic fields. ✓ (1)

5.4.4 No, ✓ because magnets only attracts those that contain iron. ✓ (2)

5.4.5 Look at the following figures and answer the following questions.

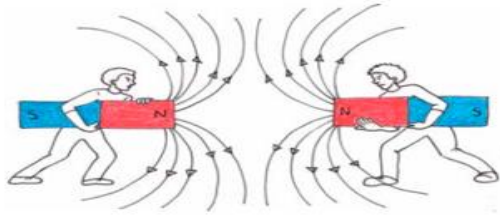


Figure 7

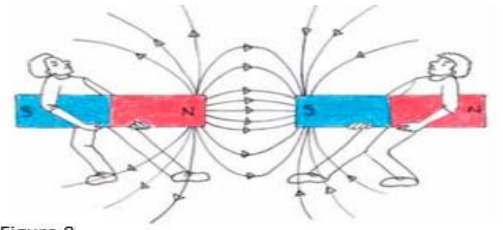


Figure 8

5.4.5.1 Write down what happens when you bring the north poles of the two bar magnets close together (Figure 7)

They repel or they pull away from each other. ✓ (2)

5.4.5.2 Write down what happens when you bring the north-pole close to south-pole. (Figure 8)

They attract each other. ✓

SECTION C

QUESTION 6

MORE THAN 300 HOMELESS. SCENARIO

Last night a fire swept through Chris Hani, a large informal settlement outside town. Six people have died, and over a dozen are being treated in hospital for burns and smoke inhalation. More than 100 families have been left homeless are being housed in public halls. Aid relief such as blankets and food are being supplied by local residents.

6.1 Describe the problem in the above scenario.

People are homeless and injured due to distraction by fire. ✓✓ (2)

6.2 Give two possible reasons other than fires that can cause people to become internally displaced in South Africa.

Floods and Drought ✓✓ (2)

6.3 Give two emergency situations that result in people becoming refugees.

Environmental deterioration, Poverty or Economics crisis, War or Xenophobia attacks (2)
(Any of the above) ✓✓

6.4 Describe the three main problems that the South Africans have against refugees.

- **Crime is increasing, Human trafficking, taking their jobs, Drug rate is increasing,**
(Any three of the above). ✓✓✓ (3)

6.5 How can you ensure that people living in shelters stay healthy?

Government can provide mobile clinics, Water and sanitations, Nutritious food ✓✓✓ (3)

[12]