



ZIMBABWE SCHOOL EXAMINATIONS COUNCIL
General Certificate of Education Ordinary Level

WOOD TECHNOLOGY AND DESIGN

4059/3

Paper 3 Design Project

NOVEMBER 2019 SESSION

No additional materials are required.

INSTRUCTIONS TO CANDIDATES

Attempt **one** option only.

This question paper consists of 4 printed pages.

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General Notes

Facilitators should refer to section **8.12** of the syllabus explaining the **Design Project** and to the notes for guidance.

Candidates should choose **ONE** situation from the **two** options (**1** or **2**) given below, and

- identify and state the problem/need and
- formulate the Design Brief.

Then produce:

- (i) a detailed A3 Design Folio showing the development of the design process, from the Need identification/problem through to evaluation.
 - Rendering should be done to enhance drawings
 - where possible the use of CAD is encouraged.
- (ii) a well constructed mock-up/model of the chosen solution, in any suitable material, and
- (iii) a well constructed artefact of the chosen solution.

Candidates are required to intergrate other non wood materials in their Design Projects such as metal or plastics etc.

N.B

- (i) Candidates are allowed and encouraged to produce a scaled down version of their design when realising the artefact.
- (ii) Where possible learners are encouraged to apply aspects of indigenous and exotic technologies e.g carving, sculpting as well as wood bending, turning and ornamentation.

Option 1**Situation**

In many bathrooms in our area people put bath soap, towels and other toiletries on the floor while bathing for lack of a suitable artefact. The items get soiled or dirty in the process and this causes great inconvenience to them as shown in **Fig. 1**.

**Fig. 1**

Option 2**Situation**

One of your cousin's birthday is close and you do not have much money to buy him/her a present. You have noticed that the desk in his/her bedroom is in a terrible mess; there are pens; pencils, rulers and other stationery items everywhere as shown in **Fig. 2**. You have decided to make a desk unit for him/her in the Wood Technology and Design workshop.

**Fig. 2**

N.B. Candidates are also encouraged, where possible and relevant, to combine different materials e.g. wood and metal or plastic in realising their designs, provided the predominant material remains wood.