

# Design Technology

# Grade 5 - Formula Ethara - Teacher's Guide

Practical Summative Assessment – Term 1

Date: Week 12 (18th - 22nd November)

# Administered during the timetabled DT lessons for each class group

### Teacher Directions:

- Teachers must print out the Summative Assessment Task Sheet provided and should be evenly
  distributed per class group. Each student completes one paper only.
- Final mark needs to be entered onto the DT tracking sheet and copies of the tracking sheet should be given to school management. This should be completed before finalising and approving entry on the Al Manhal system.

## Task Requirements:

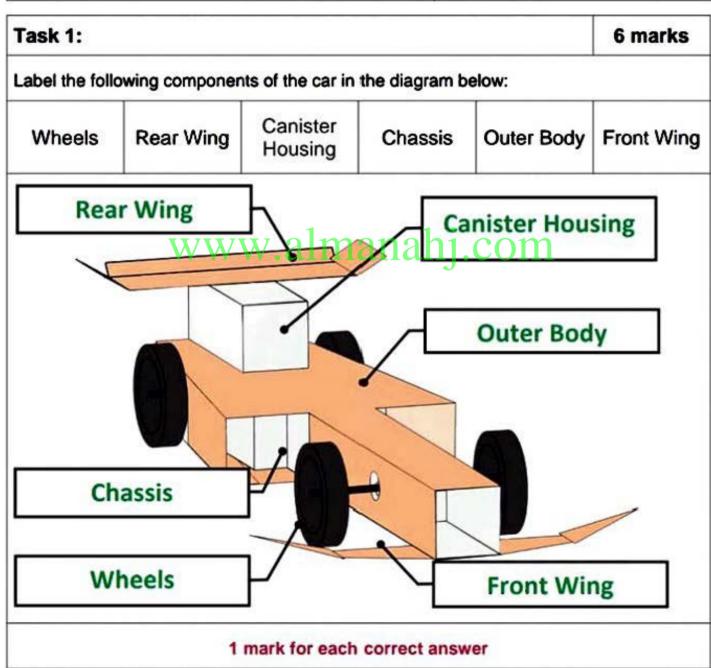
The paper consists of the following tasks — 2 1 2 1 1 C 1 1 1 C 1 1 1 C 1 1 1 C 1 1 1 C 1 1 1 C 1 1 1 C 1 1 1 C 1 1 C 1 1 C 1

| Task   | Marks Breakdown | Type of task | Guidance |
|--|-----------------|--------------|----------|
| 1: Label the components.   | 6 Marks         | Paper task   | *        |
| 2: Matching  | 3 Marks         |              | 2        |
| 3: Draw the most / least aerodynamic shape in the box below.                       | 2 marks         |              | *        |
| 4: Read the descriptions and circle the Formula Ethara car that will finish first. | 4 Marks         |              | 8        |
| 5: Design a logo for a team with given information.                                | 5 Marks         |              | -        |

Data entry for Abu Dhabi DT Teachers calculated as percentage: For example, a student scoring 18 out of 20 would achieve a percentage mark of: (18 ÷ 20) x 100 = 90%. In case of any decimal figures, it would be rounded to the nearest whole number e.g. 83.33% to 83%.



| Grade 5 – Formula Ethara |               |  |
|--------------------------|---------------|--|
| Student Name –           | Grade -       |  |
| Student Name -           | Student ID No |  |

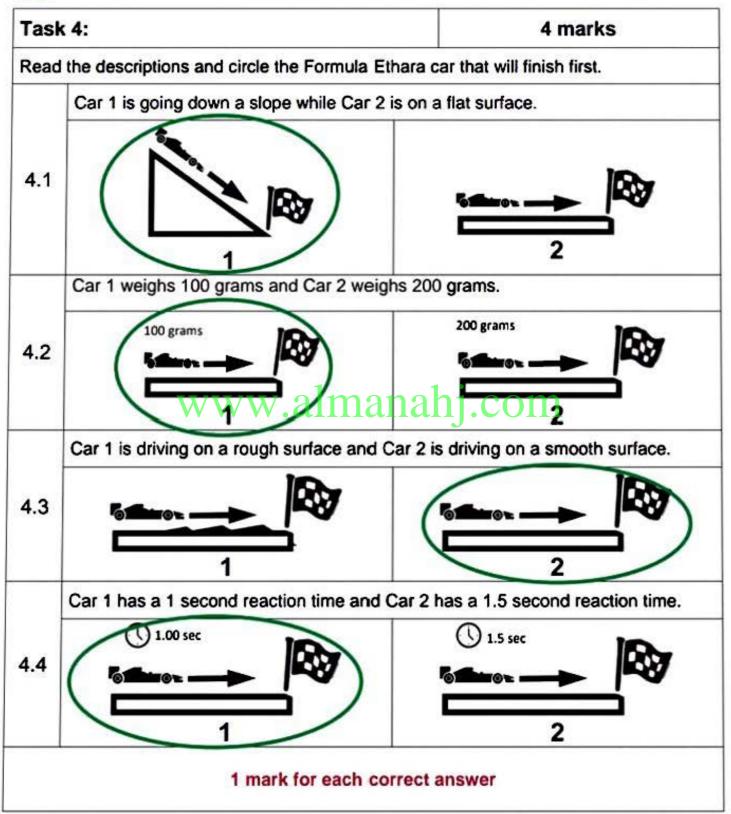




# Task 2: Draw a line to match the team role on the left to the correct responsibility on the right. Makes sure the car is built correctly Team Manager Makes sure the car looks good Design Engineer Makes sure the car is built on time Graphic Designer Makes sure the car is built on time 1 mark for each correct answer

| Task           | 3:   | 2 marks                      |
|----------------|--|------------------------------|
| Which<br>shape | shape is the most aerodynamic shape? Which shape? Draw your answer in the box below. | ape is the least aerodynamic |
|                | 0  |                              |
| 3.1            | The most aerodynamic shape is:   |                              |
| 3.2            | The least aerodynamic shape is:  |                              |
|                | 1 mark for each correct an   | swer                         |







Task 5: 5 marks

Read the following branding information for a Formula Ethara team:

Name: Team Zebra

Colour Theme: Black and White

Using this information, design a logo for this team. Part of it has been done for you.



- This task must be completed on paper.
- Students can use pencils / ruler, etc.
- The logo should have the name 1 mark.
- The logo should use the colour theme given 1 mark.
- The logo design created should be relevant to the branding information given – 2 marks.
- The logo must be an eye-catching design 1 mark.

| Task 1                     | Task 2 | Task 3 | Task 4 | Task 5 |
|----------------------------|--------|--------|--------|--------|
| /6                         | /3     | /2     | /4     | /5     |
| Summative Assessment Total |        |        | / 20   |        |