



ZIMBABWE SCHOOL EXAMINATIONS COUNCIL

SPORTS SCIENCE AND TECHNOLOGY 6080/03

FORM 5 -6 DESIGN PROJECT 2018-2019

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SUBJECT : **SPORTS SCIENCE AND TECHNOLOGY**
LEVEL : **FORM 5-6**
PROJECT
PROJECT TYPE : **Design Project**
TOPIC : **Guided Design Project**
Competencies : **Problem Solving, Planning, Psychomotor, Investigation and Presentation**

DIMENSIONS/ CRITERIA TO BE ASSESSED

Ability to identify a problem, investigate and design a solution to the problem from an area within course.

OBJECTIVES TO BE ASSESSED

Learners should be able to:

- Identify a sports science and technology problem
- define the problem
- do background research
- specify the requirements
- brainstorm, evaluate and choose a solution
- develop a model or prototype
- test the solution
- communicate results
- Make a write up.

The Research Project should be sent to ZIMSEC by the 31ST October of the final year.

PROJECT: FORM 5 & 6

PROJECT LAYOUT

- (i) The problem and its setting**
 - Background to the problem
 - Requirements specifications
 - Evaluation and choice of solution
- (ii) Model/ prototype**
 - Design specifications
 - Testing
 - Modifications
- (iii) Communicate results**
 - Definition of the problem
 - Background to the problem
 - Solution
- (iv) Conclusion and recommendations**
 - conclusions
 - recommendations
- (v) Reference**

Name of learner: _____

PROJECT MARKING GUIDE

FORM 5-6

CONTENT	DESCRIPTIONS	MARK	Mark awarded	COMMENT
Layout - general presentation	<ul style="list-style-type: none">- Is the project well organised and smartly presented – including binding for typed projects, prescribed font – and language issues	10		
Problem and solution description	<ul style="list-style-type: none">- Is the problem well defined- Is the background literature exact in describing the problem under study- Are the requirements clearly formulated- Are the solutions clearly stated and functional- Are clear diagrams clearly drawn and labelled to communicate the solutions.	40		
Model / prototype	<ul style="list-style-type: none">- Is the solution meeting the requirements appropriate to the problem- Are the design tools properly used- Ergonomics considered- Are the dimensions to scale	30		

Communication of results	<ul style="list-style-type: none"> - Learners to give a precise overview of the design project - The research solution to be supported by presented data - Recommendations to be applicable and appropriate - Previous ideas to connect with this chapter 	15	
- References	<ul style="list-style-type: none"> - Are the citations used referenced? - Are the citations in alphabetic order? - Do the appendices record all documents used? 	5	

Supervisor _____ Moderator _____ Signature _____