ZIMBABWE SCHOOL EXAMINATIONS COUNCIL

SPORT SCIENCE AND TECHNOLOGY

PROJECT: 6080/03

NOVEMBER 2020

Instructions to candidates: refer to page 2&3

This paper consists of 5 printed pages.

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

Background

It has been observed that while Zimbabwe has vast talented sportspersons they continue to fail to be podium sportsperson's at the global stage. As a sport scientist identify a problem from your environment and proffer a possible solution guided by the syllabus.

DIMENSIONS/ CRITERIA TO BE ASSESSED

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

OBJECTIVES TO BE ASSESSSED

Learners should be able to:

- Identify a sports science and technology problem
- define the problem
- carry out background research
- specify the requirements
- brainstorm, evaluate and choose a solution
- develop a model/prototype/session plan
- test the solution (pre-test and post-test including the monitoring method).
- communicate results using tables and or interpretations
- 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

- State the problem
- Background to the problem
- Requirements specifications
- Evaluation and choice of solution

(ii) Model/ prototype/session plan

- Design specifications
- Intervention/cycles
- Testing and monitoring
- Modifications

(iii) Communication of results

- Use of tables, graphs and interpretations
- Constraints
- Solutions

(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	- Is the project well organised and smartly presented – including binding for typed projects, prescribed font (times romans size 12) – and language issues/spellings	10		
Problem and solution description	- Is the problem well defined - Is the background literature relevant in describing the problem under study - Are the requirements clearly formulated - Are the solutions clearly stated and functional (at least three) - Are diagrams/ action plans clearly drawn and labelled to communicate the solutions.	40		
Model/ prototype/ action plan	- Is the solution fit –for- purpose - Ease of manufacture and or use - Are the design tools properly used - Ergonomics considered - Are the dimensions to scale - Originality and aesthetics	30		

	- Value for money/ cost effectiveness - Environmental impact - No bias towards or against a group			

Communication of results	- 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	- Are the citations used referenced? - Are the citations in alphabetic order? - Do the appendices record all documents used?	5	

Supervisor _____Moderator _____ Signature _____