

# SoTL bulletin

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Fostering Advancement and Innovation  
in Teaching and Learning



## Advancing Academic Programmes

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# Assessing Future Ready Curriculum Elements in Physical Science Foundation Programme

By George Tan Geok Shim

## INTRODUCTION

Types of Elements of Future Ready Curriculum



FLUID & ORGANIC CURRICULUM STRUCTURE



TRANSFORMATIVE LEARNING & TEACHING DELIVERY



ALTERNATIVE ASSESSMENTS



## OBJECTIVE

To produce a future-ready curriculum (preliminary investigation)



## METHOD

Group discussion with programme academic members with the focus on alternative assessments.



Core Courses  
72%



University Courses  
28%

## PROGRAM STRUCTURE

## FINDINGS

Physical Science Foundation Programme Courses



**Performance-Based Assessment**  
33.3%  
Critical Thinking Session (CTS)



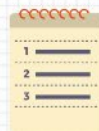
**Challenged-Based Assessment**  
8.3%  
Bazaar



**Contemporary Assessment**  
16.8%  
Mini Research, Colloquium



**Authentic Assessment**  
25.0%  
Problem Solving Session (PSS)



**Profiling Assessment**  
8.3%  
Proficiency Test



**Real Time Assessment**  
8.3%  
Lab session

## CONCLUSION

Physical Science Foundation Programme Course has incorporated the above **alternative assessment** elements in its future-ready curriculum.

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# Assessing Future Ready Curriculum Elements in Life Science Foundation Programme

By Mohamad Razif Bin Othman

## Introduction

Elements in future-ready curriculum :



Fluid & Organic Curriculum Structure



Transformative Learning & Teaching Delivery



Alternative Assesments

## Objective

To produce a future-ready curriculum (preliminary investigation)

## Methodology

Information collection via group discussion with programme academic members with the focus on alternative assessments.

## Program Structure



Core Courses 72%



University Courses 28%

## Findings



### Performance-Based Assessments

33.3%

Problem Based Learning



### Challenge-Based Assessments

8.3%

Bazaar



### Contemporary Assessments

16.8%

Mini Research, Colloquium



### Authentic Assessments

25.0%

Problem Solving Session



### Profiling Assessments

8.3%

Proficiency Test



### Real Time Assessments

8.3%

Laboratory Sessions

## Conclusion

Life Science Foundation Programme has **incorporated 6 types of alternative assessments** in its future-ready curriculum.

### Acknowledgement

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