



Rolly Maiquez, Christopher (Chris) Willauer

Design: Design

Monument Design

IB MYP Design (Gr. 7) 01

MYP

Year
2

Duration

4 weeks
12 hours

Start Date

W2
Oct

First Trimester
(Aug 2016 - Nov 2016)



Inquiry: Establishing the purpose of the unit

Key concept



Development

Related concept(s)



Design

Form

Innovation

Global context



Orientation in space and time

• Civilisations and social histories, heritage; pilgrimage, migration, displacement and exchange

Statement of inquiry

“ Form and measurement influence design and innovation. ”

Inquiry questions



Factual

What is form in design/math? What is function in design/math?



Conceptual

How do mathematical concepts such as form and measurement influence design and innovation?

• The students are able to understand that measurement & transformation enhance forms and models to order to innovate.



Debatable

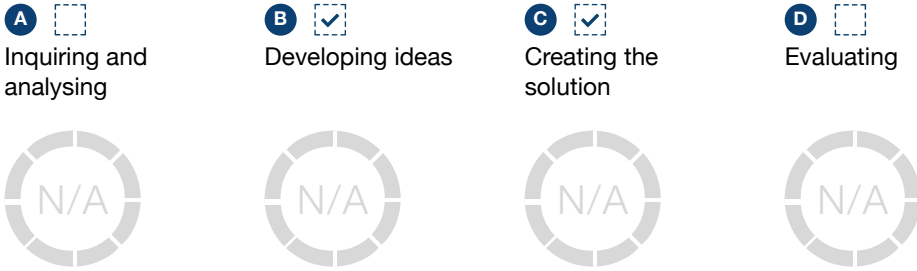
Does form come before function or function before form?

• Concepts of function and form



Summative assessment

Assessment Criteria	Tasks in all classes	QR
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Class mean of Assessed Criteria

Relationship between summative assessment task(s) and statement of inquiry:

	Assignment Create a design for the Songdo monument	9:00 AM	
	Assignment Songdo monument model - final output	9:00 AM	

Objectives

- B** Developing ideas
 - ii. present a range of feasible design ideas, which can be correctly interpreted by others
 - iii. present the chosen design and outline the reasons for its selection
 - iv. develop accurate planning drawings/diagrams and outline requirements for the creation of the chosen solution.
- C** Creating the solution
 - i. construct a logical plan, which outlines the efficient use of time and resources, sufficient for peers to be able to follow to create the solution
 - ii. demonstrate excellent technical skills when making the solution
 - iii. follow the plan to create the solution, which functions as intended

Approaches to learning (ATL)



Design

- C** Creating the solution
 - iii. follow the plan to create the solution, which functions as intended



II Collaboration skills

Working effectively with others

- Listen actively to other perspectives and ideas
- Give and receive meaningful feedback

Learning Experiences

III Organization skills

Managing time and tasks effectively

- Plan short- and long-term assignments; meet deadlines
- Select and use technology effectively and productively

Learning Experiences

Action: Teaching and learning through inquiry

Standards

Standards

Subject: Physical Education

Year: Grade 7, Grade 8, Grade 10

Start Date: W2 September Duration: 6 weeks

Standards

Knowledge & Skills

Knowledge & Skills

- Soccer has an audience of over six billion people
- Effective choice of tactics and strategies in Performance or playing situations is advantageous
- Decision-making skills must be faster in smaller spaces

Knowledge & Skills



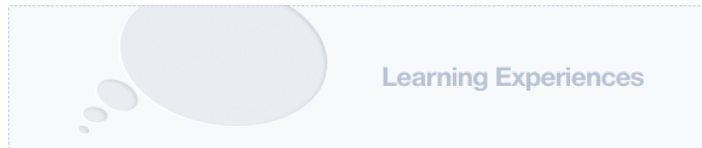
Service

Demonstration: Present design ideas and models in an exhibition format

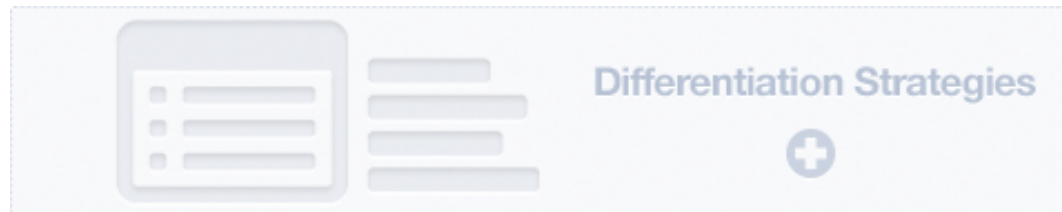
Learner Profile

Inquirers: Wonder about different monuments

Learning process	Formative Assessment	QR
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Differentiation






Resources

Summary index


 Journal 0

 Website 0

 Video 0

 File 0

 Photos 0

 Books 0

Reflection: Considering the planning, process and impact of the inquiry

⏪ Prior to teaching the unit

SOI - to be strengthened
 Because of the nature of Managebac, formative assessments will be added in the Math Unit paired with this Design Unit.
 This an IDU -- but we are not using the official IDU unit planner.

⏴ During teaching

⏵ After teaching the unit



Appendices: Assessment Index

Assessment Tasks

Calendar Summary

● Summative ● Formative

First Trimester



Second Trimester



Third Trimester



IB MYP Design (Gr. 7) 01

Assessment Criteria	Tasks	QR
<p>A <input type="checkbox"/> Inquiring and analysing</p>	<p>B <input checked="" type="checkbox"/> Developing ideas</p>	<p>C <input type="checkbox"/> Creating the solution</p>
<p>D <input type="checkbox"/> Evaluating</p>	<p> Assignment Create a design for the Songdo monument Create a design for the Songdo monument - hand-drawing (with scale and measurements) and final digital output on Sketchup or similar program. </p>	<p> </p>



Assessment Criteria				Tasks	QR
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<p>A <input type="checkbox"/></p> <p>Inquiring and analysing</p>	<p>B <input type="checkbox"/></p> <p>Developing ideas</p>	<p>C <input checked="" type="checkbox"/></p> <p>Creating the solution</p>	<p>D <input type="checkbox"/></p> <p>Evaluating</p>
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Assignment 🕒 9:00 AM

Songdo monument model - final output

Students will create a final physical output of their Songdo monument design — output can be: 3D printed, cardboard, paper, wire, or similar building materials.

