

Lesson Design

Subject Area	English Language/Mathematics/Science/Mother-Tongue Languages
Topic/Unit	Materials
Days/Time	8 to 15 May
Learning Resources + ICT Devices + Learning Platforms	<ul style="list-style-type: none">- No ICT resources were used by the students- The students applied their learning using using a PBL
Learning Goals with 21CC (pg 1)	<p>To engage students in critical and inventive thinking by designing an amphicar that is able to able to complete a challenge or moving on water and on land with loads.</p> <p>To encourage student to collaborate and share their ideas on the design of the vehicle with their peers.</p> <p>To allow students to use recyclable materials in the building of their amphicar</p>

<p>WALT</p>	<p>We are learning to</p> <ul style="list-style-type: none"> - Build a car that is able to move on land and sail in water. - Experiment the materials to see if they float or sink. - Test the materials to see if they are waterproof
<p>Learning Principles (pg 3 & 4)</p> <p>Indicate the Learning Principles</p>	<p>The Learner at the centre</p> <ol style="list-style-type: none"> 1. Learning is actively constructed, individually and socially 2. Learning is social and emotional in nature 3. Assessment is integral to learning 4. Meaningful Learning

<p>Learning Dispositions</p> <p>(pg 3 & 4)</p> <p>Indicate the Learning Dispositions for students' demonstration during learning experiences.</p>	Qualities to be displayed.	
	<p>Sense of Responsibility</p> <ul style="list-style-type: none"> - The design process of the amphicar 	<ul style="list-style-type: none"> + I ask questions, find solutions, and seek help when I do not know something. + I complete my learning tasks to the best of my ability.
	<p>Sense of Curiosity</p> <ul style="list-style-type: none"> - Testing of the materials 	<ul style="list-style-type: none"> + I am interested to find out more about the world around me. + I ask questions to understand why things happen and how things work. + I am interested to explore new experiences and learn new things.
	<p>Collaboration</p> <ul style="list-style-type: none"> - Working in groups of 3/4 	<ul style="list-style-type: none"> + I will listen to and learn from others. + I will share what I know with others and help them learn.
	<p>Creativity</p> <ul style="list-style-type: none"> - After testing the amphicar, the students will given time to improve the design 	<ul style="list-style-type: none"> + I am flexible in my way of thinking and way of doing things. + I explore various ideas and possibilities. + I generate different solutions to challenges.
	<p>Reflectiveness</p> <ul style="list-style-type: none"> - Reflections in the student booklet 	<ul style="list-style-type: none"> + I think about how I am learning. + I take steps to improve my learning. + I apply what I have learnt to new learning experiences /challenges.
	<p>Resilience</p> <ul style="list-style-type: none"> - The design process of the amphicar 	<ul style="list-style-type: none"> + I am not afraid to make mistakes. Mistakes help me to learn.

	<table border="1"> <tr> <td data-bbox="510 206 1058 310"></td><td data-bbox="1058 206 1610 310"> + When I am learning something unfamiliar or hard, I will try my best and not give up. </td></tr> <tr> <td colspan="2" data-bbox="510 310 1610 542"></td></tr> </table>		+ When I am learning something unfamiliar or hard, I will try my best and not give up.		
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<p><u>During Lessons/Post Lesson</u></p> <p>Teachers' Observation/Reflections</p> <p>(Collection of Data)</p> <p>+ Checklist</p> <p>+ Rubrics</p>	<p>How students have been self-directed in their learning and taken ownership for their learning?</p> <ul style="list-style-type: none"> - Students reflections are recorded together with the rubrics (Refer to student booklet) 				

