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Integrating Differentiated Instruction with Multiple Intelligences

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Module 3 Lesson Plan



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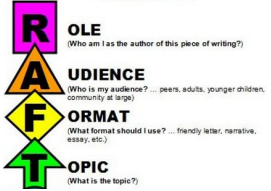

Session title	Surface areas	Date	25 – 04- 2022	Location	XXXX
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Learner group	Grade 7 Students; Age Group – 12 Years	Duration	70 Mins	Group size	24
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Lesson aims	Apply mathematical knowledge of 2D shapes to analyze and model the situations related to 3D shapes.
Learning outcomes/objectives <i>What are learners expected to learn after completing the lesson? These should be specific and able to be assessed.</i>	Learners will be able to: <ul style="list-style-type: none"> • Find the surface area of a rectangular prism. • Apply the concept of surface area to real life situations.

Time	Content and teacher activity	Learner activity	Formative assessment	Learning materials and resources
	How are you explaining and illustrating the topic?	What are the learners doing to help them understand the topic?	How do you plan to assess learning as it is happening?	What resources will you use that will support the teaching, learning and assessment activities?
2 mins	Greetings – Teacher wishes the learners. (Slide - 1) Teacher divide the class into 6 groups (Mixed ability with multiple intelligence) with 4 learners in each group.(Slide – 2)	Learners wish the teacher and sit according to the teacher`s instruction.		<ul style="list-style-type: none"> • Laptops • PPT  LP PPT.pptx
8 mins	<u>Tuning:</u> Lesson objectives and Prior Knowledge Check – Teacher shares the learning outcomes (Slide – 3) and makes the learners to connect the topic with	Learners individually read learning outcomes and list the key vocabulary they learned in the previous class. Then they make a connection to their prior knowledge to finish the JOT activity. During this,	Teacher visits each group and observes what the learners are doing and how they are connecting the prior knowledge – <ul style="list-style-type: none"> • Surface area • Rectangular prism 	<ul style="list-style-type: none"> • Laptops • PPT  LP PPT.pptx

Time	Content and teacher activity	Learner activity	Formative assessment	Learning materials and resources
10 mins	<p>their prior knowledge through an activity, Read – List – Jot.</p> <p>Read - Read the learning outcomes</p> <p>List - list the key vocabulary of the previous class from the learning outcomes</p> <p>Jot – Draw</p> <p><i>Write</i> any three points they remember about that key vocabulary.</p> <p><i>Animate</i></p> <p><i>Model</i></p> <p>Summary – Speaker in the group will share the whole group consolidation of the connection to the prior knowledge to the learning outcomes.</p>	<p>they select one of the given options per their interests.</p> <p>All the learners in the group will share one point with the speaker for the consolidation either by adding a new point or by repeating the same, which is shared by someone.</p>	<ul style="list-style-type: none"> Formula to find the surface area of the rectangular prism. <p>Teacher listens to the summary shared by all groups and build a strong connection of their prior knowledge to the learning outcomes.</p>	<ul style="list-style-type: none"> Notebooks/ Models in the class
15 mins	<p>Teaching: (Slide 4)</p> <p>Teacher shares a worksheet with a question and additional support resource in different formats as per their interests / intelligences to understand the given question properly. A rubric is attached to check their learning. Teacher asks to solve by three-stage strategy and at each stage, they earn some amount based on the quality of the work –</p> <p>Induction – Draw and label</p> <p>Make a model and label</p> <p>Animate and label</p> <p>Label on readymade model.</p>	<p>Learners take the worksheet, read the question and the rubric clearly, and clarifies the doubts if any.</p> <p>Learners select one option at the induction stage as per their interest and the teacher/group leader checks each learner's work and gives the relevant amount before they move to the next stage.</p>	<p>Teacher visits all the groups, observes the work of the individual learners, and support them with constructive feedback.</p>	<ul style="list-style-type: none"> Worksheet <ul style="list-style-type: none">  Worksheet 1.docx PPT <ul style="list-style-type: none">  LP PPT.pptx Laptops Notebooks Models

Time	Content and teacher activity	Learner activity	Formative assessment	Learning materials and resources
	<p>And note the given information step wise in the space provided on the worksheet.</p> <p>Process – Product: Solve the sum with proper steps.</p> <p>Marketing: Explain his/her answer to the other learner using the resource they created at INDUCTION stage. The listener gives the amount based on Explanation rubric.</p> <p>Make a connection of the activity to the leaning outcomes.</p>	<p>Learners solve and correct their work on their own and award the amount on their own based on the rubric.</p> <p>Two learners in the same group explain the sum to each other and award the amount based on the rubric.</p> <p>Learners write the learning outcome they achieved during this activity and how confident they are, on a sticky note.</p>		
25 mins	<p>Testing:</p> <p>RAFT (Role – Audience – Format – Topic): (slide 5)</p> <p><u>Pair Activity:</u> Teacher plans mixed ability pairs(Slide – 6 same interest; high and low ability learners or two average ability learners) and shares a worksheet with three different real-life situation questions and asks the learners to choose any one and select the role and audience they want to and solve it. Teacher shows a few examples to guide them before they proceed with the activity.</p>	Learners read the worksheet. They carefully observe the examples shown by the teacher to select their role and audience. They clarify their doubts if any, before they proceed with the task along with their partner.	Teacher observes learners` work and provides the feedback to support the learners who need the support.	<ul style="list-style-type: none"> RAFT worksheet.  <p>Worksheet 2 (RAFT).docx</p> <ul style="list-style-type: none"> PPT  <p>LP PPT.pptx</p> <ul style="list-style-type: none"> Laptops

Time	Content and teacher activity	Learner activity	Formative assessment	Learning materials and resources
				<ul style="list-style-type: none"> • Notebooks • Models
5 mins	<p>Feedback:</p> <p>Teacher shares the feedback form and asks the learners to fill it and collects it back.</p> <p>Teacher collects all works done by the learners. (slide 7)</p>	Learners fill the feedback form.		<ul style="list-style-type: none"> • Feedback Form <ul style="list-style-type: none">  Questioner - Feedback form.docx • PPT <ul style="list-style-type: none">  LP PPT.pptx
5 mins	<p>Exit Slip</p> <p>Teacher shares the homework with the students.(Slide 8)</p>	Learners look into the worksheet and clarifies their doubts if any so that they can work independently at home.	Teacher clarifies their doubts.	<ul style="list-style-type: none"> • PPT <ul style="list-style-type: none">  LP PPT.pptx • Laptops