

# Islamic Dharwood Pau Memorial Primary School

## Mathematics Lesson Teaching Content

Name of the teacher: Miss Suen Class: 6A (Rm 506)

Subject: Mathematics Topic: Area of Circles (35 mins)

Lesson: The 1 lesson of this chapter / unit / language focus

### Part A: General Information of the Lesson

Students' Previous Knowledge	<ul style="list-style-type: none"> <li>- Understand the properties of circles.</li> <li>- Able to use the formulae to find the area of parallelograms and rectangles.</li> <li>- Able to use the formulae to find the circumference.</li> </ul>
Learning Objectives	<p><i>After the lesson, the students are able:</i></p> <ul style="list-style-type: none"> <li>- To recognize the area of circles.</li> <li>- To use the formulae for finding areas of circles</li> </ul>
Learning Activities (including the Formative Assessment)	<ul style="list-style-type: none"> <li>- Recap and introduction (5 mins): Introduce area of circles by giving daily examples. Revise the concept of circumference and its formulae. Find the area of circles by using grid film.</li> <li>- Group activity (15 mins): From Smartboard sharing to the tablet. Dissect the circle and rearrange it into a parallelogram in GeoGebra.  Divide students into groups of four. Ask students to dissect the circles into more parts (50, 100, 150, 200) and rearrange it on the tablet. Invite students to share their answers (from tablet sharing to the Smartboard).</li> <li>- Examples (5 mins): Explain to students how to apply the formulae of area of circles with given diameter or radius.</li> <li>- Formative assessment (5 mins): Use tablet - Koobits to assess students whether they can use the formulae to find the area of circles.</li> <li>- Conclusions (5 mins): Summarize the lesson.</li> </ul>

Teaching Aids	<ul style="list-style-type: none"> <li>- Textbook</li> <li>- iPad</li> <li>- E-blackboard</li> <li>- Koobits</li> </ul>
Homework arrangements	<ul style="list-style-type: none"> <li>- TB p. 74</li> <li>- WS 1</li> </ul>

### Part B: Details of Formative Assessment (FA)

Form of the FA	<input type="checkbox"/> Paper assessment <input checked="" type="checkbox"/> E-assessment (Please specify: <u>Koobits</u> ) <input type="checkbox"/> Others (Please specify: _____)
Objective(s) of the FA	<ul style="list-style-type: none"> <li>- Monitor students' learning and identify their strengths and weaknesses.</li> </ul>
Rationale of the FA	<ul style="list-style-type: none"> <li>- Motivate students' learning interest.</li> <li>- Assess if the students can use the formulae to find the area of circles.</li> </ul>