2D Shape : Maths : Year 3 : Autumn Term

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to recognise 2D shapes.	Children will recognise and describe a variety of regular 2D shapes. They will begin to describe their properties, including number of sides and angles, and identify a particular shape from its description.	• Can children identify a variety of 2D shapes? • Can children describe the properties of 2D shapes? • Can children identify a shape from its description?	• Slides • Worksheet 1A/1B/1C
Lesson 2	To be able to identify and create regular and irregular polygons.	Children will understand the difference between regular and irregular shapes, and understand the term 'polygon'. They have opportunities to identify a variety of different regular and irregular shapes, before drawing irregular polygons for themselves.	• Can children name some simple 2D shapes? • Do children know basic shape properties? • Can children identify the difference between a regular and an irregular shape?	• Slides • Worksheet 2A/2B/2C
Lesson 3	To be able to measure the perimeter of simple 2D shapes.	Children will understand the term 'perimeter' and learn how to calculate the perimeter of rectilinear shapes, first by counting squares and then by measuring the length and width, and using addition to find the perimeter.	• Do children know what a perimeter is? • Can children find the perimeter of simple 2D shapes? • Can children measure the perimeter of objects accurately?	• Slides • Worksheet 3A/3B/3C • Digital cameras - optional (FSD? activity only) • Rulers/metre rulers (plenary)
Lesson 4	To be able to describe and sort shapes according to their properties.	Children will describe a variety of regular and irregular 2D shapes and sort them according to various criteria, including regular and irregular, number and length of sides, lines of symmetry and angles.	• Can children describe basic shape properties? • Can children sort shapes according to given criteria? • Can children choose their own criteria for sorting shapes?	• Slides • Worksheet 4A/4B/4C • Shape Cards • Blank Venn Diagram • Blank Carroll Diagram • 2D shapes - optional (FSD? activity only)
Lesson 5	To be able to use the shapes within a tangram to create other shapes.	Children will learn what a tangram is before using the pieces of a tangram to create other shapes. Various challenges will be given to use a certain number of tangram pieces to create a given shape, or using an outline of a tangram picture (such as a person or a boat) which the children have to try and recreate using all the tangram pieces.	• Can children construct shapes according to instructions? • Can children construct shapes? • Can children investigate different ways to create shapes using tangrams?	• Slides • Tangram Sheet (copied onto card if possible) • Worksheet 5A/5B/5C • Tangram Shape Cards (FSD? activity only) • Solution Cards (FSD? activity only)

NB: 'FSD? Activity only' refers to the alternative 'Fancy Something Different...?' activity within the lesson plan