

Primary Session Plan

National curriculum subject: Maths

Specific focus for this session: Angles – acute, obtuse and right angle – mastery and depth challenges

Date: Monday 16th May 2016

Time: 1 hour

Group/s: Year 3 – whole class

Number of Pupils: 28

Implications from previous session(s):

The children have learnt about right angles in year 2 and so should be confident with this already. They have also completed a lesson on Friday about identifying acute, obtuse and right angles which all children understood.

Key Vocabulary:

- Right angle
- Acute
- Obtuse
- Degrees
- Between
- Less than
- More than

Assessment Criteria and intentions:

The children should be able to complete the different challenges set so secure their knowledge and understanding of acute, obtuse and right angles.

Red should be able to complete a depth challenge on acute, obtuse and right angles. They should be able to produce their own angles puzzle for someone else to complete and complete someone else's.

Blue and **yellow** will be able to complete the mastery level task of identifying angles from a picture. When complete they can create their own moving onto the depth challenge.

Green will be able to identify the right angles in a picture – mastery at their own level.

Differentiated Learning Objectives:

- Green** – to be able to identify right angles.
- Blue** – to be able to identify right, acute and obtuse angles – mastery challenge.
- Yellow** – to be able to master right, acute and obtuse angles – mastery challenge.
- Red** – to be able to complete the depth challenge on right, acute and obtuse angles – depth challenge.

Resources:

- PowerPoint on angles
- Yellow/ blue group worksheet
- Red group task sheets
- Angle monsters
- A3 sheets of paper
- Protractors – if red group need
- Angle song - <https://www.youtube.com/watch?v=vB9Fax-9nAs>

Additional Adults:

TA to work with **green** group to scaffold learning.

Evaluation

All children achieved mastery level.

From the beginning

all children engaged from the beginning children's behaviour was good.

Children achieved what was asked both independently and focus lead. Reds - something different enjoyable task.

hook - good with angle song & recap.

again children loved the angle monsters

showed their knowledge of

<p>Timing Plan out the structure of your session</p>	<p>Teaching and Learning Steps <i>What will you do to ensure the children achieve your intended learning objective? What teaching strategies will you use? What do you anticipate that the children will do? Make sure that you include your intended differentiation for the more able children and for those with individual needs. This should weave through your plan. Include enough detail to support your teaching – to ensure that you are able to maintain the progression through the session that you intend.</i></p>
<p>5/10 minutes</p>	<p>Revisit what the children learnt on Friday – go over acute, obtuse and right angles using the PowerPoint and again play the angles song as the children really enjoyed it and it gets them hooked on the lesson. Explain to the children what they will be doing today and set each group off on their individual task.</p>
<p>45mins</p>	<p>Greens – TA will work with greens – can just do in the classroom. Complete a mastery activity to their level. They have to identify all of the right angles from the unusual picture using the angle monsters to help them.</p> <p>Yellows/ blues – They will complete a mastery level challenge based on acute, obtuse and right angles. They have to identify all of the angles and colour code them as to which one they are (using the same method as Friday). They can use the angle monsters to help them decide which type of angle it is and they can discuss and work together to help each other. They should be able to get started independently.</p> <p>If they finish this, they can move onto the extension depth task of creating their own angle puzzle, thinking about which angles can go where and how they will create it so it creates an appropriate level of challenge for someone else to complete.</p> <p>Red – They will complete a depth challenge. They can either work in pairs or by themselves to create their own angles puzzle including acute, obtuse and right angles. They can use protractors to help them get the angles correct if they want to. They can also use the angle monsters to help them identify which angle to use.</p> <p>If they finish this they swap with another pair or someone else in red group and complete their angle puzzle seeing if they have made it appropriate for the level they are at.</p> <p>Go around marking throughout the lesson, constantly monitoring the children's progress and understanding.</p>