

Scheme of Work - (Intermediate)
Maths – Spring Term 1
7th January – 8th February 2012

Week	Learning Objectives	Activities	Differentiation	ELG	Resources	Opportunity for Assessment	Notes e.g. H&S / Amendments
1 5 sessions	<p>To listen attentively To follow instructions To respond make comments and ask questions</p> <p>To support cognitive development To understand numbers 1-10 To develop problem solving skills To understand shapes To engage in activities To take turns with others</p>	<p>Recap shapes learned in autumn term 2. Introduce the heart shape Demonstrate a variety of hearts – different sizes and colours Gather ideas on what the children know about shapes</p> <p>Group/individual activities:</p> <ol style="list-style-type: none"> 1. Sing shape song 2. Visual observations of heart shapes. 3. Heart shape art project 4. Heart shape colouring pages 5. Heart shape room search 6. Shape comparison 7. Shape dominos <p>Participate in the exercise</p> <p>Make visual evaluations to compare different sizes of heart shapes</p> <p>Make visual evaluations to compare hearts in a variety of colours</p> <p>Make visual evaluations to compare different shapes</p>	<p>All children will be able to listen to the introduction, and participate in colouring and drawing activities</p> <p>Some children will be able to complete the art project with teacher assistance.</p> <p>A few children will be able to complete the art project without teacher assistance</p>	<p>ELG-1 ELG-2 ELG-3 ELG-8 ELG-10 ELG-11 ELG-12 ELG-16</p>	<p>Smart Board White Board White Board markers Worksheets Colouring pages Room objects Coloured Pencils Paper Heart art template Scissors Glue Heart pictures</p>	<p>Formative assessment</p> <p>Listening and communication skills</p> <p>Ability to use distinguish between shapes</p> <p>Comparison skills</p> <p>Participation in exercises</p>	

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2 5 sessions	<p>To listen attentively To follow instructions To respond make comments and ask questions</p> <p>To support cognitive development To understand numbers 1-10 To use everyday language to discuss weights and volumes To develop problem solving skills To understand the concept of more and less To make comparisons To engage in activities To take turns with others</p>	<p>Recap hearts. Introduce the oval shape Demonstrate a variety of ovals – different sizes and colours Gather ideas on what the children know about the oval shape Group/individual activities:</p> <ol style="list-style-type: none"> 1. Sing shape song 2. Visual observations of oval shapes. 3. Oval shape art project 4. Oval shape colouring pages 5. Oval shape room search 6. Shape comparison 7. Shape dominos <p>Participate in the exercise</p> <p>Make visual evaluations to compare different sizes of oval shapes</p> <p>Make visual evaluations to compare oval in a variety of colours</p> <p>Make visual evaluations to compare different shapes</p>	<p>All children will be able to listen to the introduction, and complete colouring pages</p> <p>Some children will be able with support to locate oval shaped room objects and complete with teacher assistance the art project</p> <p>A few children will be able to located oval shapes objects without support as well as complete their art project.</p>	<p>ELG-1 ELG-2 ELG-3 ELG-8 ELG-10 ELG-11 ELG-12 ELG-16</p>	<p>Smart Board White Board White Board markers Worksheets Colouring pages Room objects Coloured Pencils Paper Oval art template Scissors Glue Oval pictures</p>	<p>Summative Assessment – worksheets -recorded in maths folder as part of overall assessment throughout the year</p> <p>Formative assessment :</p> <p>Listening and communication skills</p> <p>Comparison skills</p> <p>Participation in exercises</p>	

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3 5 sessions	<p>To listen attentively To follow instructions To respond, make comments and ask questions</p> <p>To support cognitive development To use everyday language to discuss logic and classification To develop problem solving skills To support critical thinking To support reasoning abilities To engage in activities To take turns with others</p>	<p>Recap lessons 1 and 2 Introduce the diamond shape Demonstrate a variety of diamonds –different sizes and colours Gather ideas on what the children know about the diamond shape</p> <p>Group/individual activities:</p> <ol style="list-style-type: none"> 1. Sing shape song 2. Visual observations of diamond shapes. 3. Diamond shape art project 4. Diamond shape colouring pages 5. Diamond shape room search 6. Shape comparison 7. Shape dominos <p>Participate in the exercise</p> <p>Make visual evaluations to compare different sizes of diamond shapes</p> <p>Make visual evaluations to compare diamond in a variety of colours</p> <p>Make visual evaluations to compare different shapes</p>	<p>All children will be able to listen to the introduction, and complete colouring pages</p> <p>Some children will be able with support to locate oval shaped room objects and complete with teacher assistance the art project</p> <p>A few children will be able to located oval shapes objects without support as well as complete their art project.</p> <p>LA-will require teacher assistance in starting and completing the project MA-will be able to able to start the project, but will require assistance in completing assigned task HA-will be able to design and complete task with minimum assistance</p>	<p>ELG-1 ELG-2 ELG-3 ELG-8 ELG-10 ELG-11 ELG-12 ELG-16 EIG-17</p>	<p>Smart Board White Board White Board markers Worksheets Colouring pages Room objects Coloured Pencils Paper Diamond art template Scissors Glue Diamond pictures</p>	<p>Summative Assessment – worksheets -recorded in maths folder as part of overall assessment throughout the year</p> <p>Formative assessment :</p> <p>Listening and communication skills</p> <p>Participation in exercises</p> <p>Classification skills</p>	

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4 5 sessions	<p>To listen attentively To follow instructions To respond, make comments and ask questions</p> <p>To support cognitive development To use everyday language to discuss geometric terminology To develop problem solving skills To support critical thinking To support reasoning abilities To develop spatial thinking abilities To engage in activities To take turns with others</p>	<p>Recap lessons 1, 2 and 3 Introduce the star shape Demonstrate a variety of stars – different sizes and colours Gather ideas on what the children know about the star shape</p> <p>Group/individual activities:</p> <ol style="list-style-type: none"> 1. Sing shape song 2. Sing star song 3. Visual observations of star shapes. 4. Draw stars 5. Star shape art project 6. Star shape colouring pages 7. Star shape room search 8. Shape comparison 9. Shape dominos 10. Online shape game 	<p>All children will be able to listen to the introduction sing the shape song and identify stars</p> <p>Some children will be able to sing some song words and draw stars</p> <p>A few children will be able to play the play the online shape game</p>	<p>ELG-1 ELG-2 ELG-3 ELG-8 ELG-10 ELG-11 ELG-12 ELG-16 EIG-17</p>	<p>Smart Board White Board White Board markers Worksheets Colouring pages Room objects Coloured Pencils Paper Star art template Scissors Glue Star pictures</p>	<p>Summative Assessment – worksheets -recorded in maths folder as part of overall assessment throughout the year</p> <p>Formative assessment :</p> <p>Listening and communication skills</p> <p>Participation in exercises</p> <p>Identifying shape</p> <p>Scissors skills</p>	

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5 5 sessions	<p>To listen attentively To follow instructions To respond, make comments and ask questions</p> <p>To support cognitive development To use everyday language to discuss geometric terminology To develop problem solving skills To support critical thinking To support reasoning abilities To develop spatial thinking abilities To engage in activities To take turns with others</p>	<p>Recap lessons 1 and 2 Introduce the shape – pentagon Gather ideas on what the children know about the diamond shape</p> <p>Group/individual activities:</p> <ol style="list-style-type: none"> 1. Sing shape songs 2. Visual observations of pentagon shapes. 3. Trace pentagon 4. Pentagon shape art project 5. Pentagon shape colouring pages 6. Pentagon shape room search 7. Shape comparison 8. Shape dominos 9. Online shape game 	<p>All children will be able to listen to the introduction sing the shape song</p> <p>Some children will be able to sing some song words and trace a pentagon</p> <p>A few children will be able to play the play the online shape game, draw a pentagon and makes shape comparisons</p>	<p>ELG-1 ELG-2 ELG-3 ELG-8 ELG-10 ELG-11 ELG-12 ELG-16 EIG-17</p>	<p>Smart board White board Photos Song (smart board) Bingo game Worksheets Shape cards Colouring pages Tracer pages Paper Coloured pencils Coloured paper Glue Scissors</p>	<p>Summative Assessment – worksheets -recorded in maths folder as part of overall assessment throughout the year</p> <p>Formative assessment :</p> <p>Listening and communication skills</p> <p>Participation in exercises</p>	

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6 5 sessions	<p>To listen attentively To follow instructions To respond, make comments and ask questions</p> <p>To support cognitive development To use everyday language to discuss geometric terminology To develop problem solving skills To support critical thinking To support reasoning abilities To develop spatial thinking abilities To engage in activities To take turns with others</p>	<p>Introduce squares Demonstrate a variety of squares– different sized and colours Gather ideas on what the children know about squares Group/ Individual activities:</p> <ol style="list-style-type: none"> 1. Song shape song 2. Bingo shape game 3. Shape cards 4. Search for squares game 5. Draw squares 6. Trace pictures 7. Colouring pages 8. Worksheets 9. Square squire –art project 10. Mandela 	<p>All children will be able to listen to the introduction and shape song, identify some squares, participate in colouring and assemble art project and colouring pages</p> <p>Some children will be able to sing some song words, cut out most of the art project pieces, complete trace pictures and colouring pages</p> <p>A few children will be able to complete art project without any assistance and the Mandela picture</p>	<p>ELG-1 ELG-2 ELG-3 ELG-8 ELG-10 ELG-11 ELG-12 ELG-16 EIG-17</p>	<p>Photos Song (smart board) Bingo game Worksheets Shape cards Colouring pages Tracer pages worksheets Paper Coloured pencils Coloured paper Glue Scissors</p>	<p>Summative Assessment – worksheets -recorded in maths folder as part of overall assessment throughout the year</p> <p>Formative assessment :</p> <p>Listening and communication skills</p> <p>Participation in exercises</p> <p>Shape identification (bingo game)</p> <p>Mandela Comprehension</p>	

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7 5 sessions	<p>To listen attentively To follow instructions To respond, make comments and ask questions</p> <p>To support cognitive development To use everyday language to discuss geometric terminology To develop problem solving skills To support critical thinking To support reasoning abilities To develop spatial thinking abilities To engage in activities To take turns with others</p>	<p>Recap the shapes and introduce the shape train Group/ Individual activities:</p> <ol style="list-style-type: none"> 1. Song shape song 2. Domino shape game 3. Search for shape game 4. Shape train art project 5. Shape colouring pages 6. Draw shapes 	<p>All children will be able to listen to the introduction and shape song, participate in colouring and assemble art project and complete colouring pages</p> <p>Some children will be able to sing some song words, cut out most of the art project pieces, complete trace pictures and colouring pages</p> <p>A few children will be able to complete art project without any assistance, play rectangle game, draw rectangles and complete robot rectangle craft without any assistance.</p>	<p>ELG-1 ELG-2 ELG-3 ELG-8 ELG-10 ELG-11 ELG-12 ELG-16 EIG-17</p>	<p>Photos Song (smart board) Domino shape card Poster paper – variety of colours Train template Circle template Shape template Coloured pencils Glue Scissors</p>		