

Maths PNC - Medium Term Planning Geometry Measurement

Cycle 1				
PNC1	PNC 2	PNC 3	PNC 4	PNC 5
<p>I can reach out for, touch and begin to hold objects</p> <p>I can smile with pleasure at recognisable playthings.</p> <p>I am beginning to know and enjoy daily routines, such as getting up time, mealtimes and bed time.</p>	<p>I enjoy filling and emptying containers.</p> <p>I can attempt, sometimes successfully to fit shapes into spaces on inset boards and jigsaw puzzles.</p> <p>I am beginning to categorise objects according to properties such as shape or size.</p> <p>I am beginning to use the language of size.</p>	<p>I show an interest in shape and space by playing with shapes and objects.</p> <p>I show awareness of similarities of shapes in the environment.</p> <p>I can show an interest in shapes in the environment.</p> <p>I can use shapes appropriately for tasks.</p> <p>I can sort objects and materials according to a given criteria.</p>	<p>I can make comments/use symbols about differences in size.</p> <p>I can make comments/use symbols about weight (e.g.; heavy/light).</p> <p>I can make comments/use symbols about capacity (full/empty).</p> <p>I can copy a simple pattern.</p>	<p>I can recognise, find and name a half as one of two equal parts of an object/shape.</p> <p><i>I can make a range of comments/using symbols about differences in size.</i></p> <p><i>I can make a range of comments/using symbols about weight (e.g.; heavy/light).</i></p> <p><i>I can make a range of comments/using symbols about capacity (full/empty).</i></p>
<ul style="list-style-type: none"> Explore objects that are varying weights in a tray – coins and paper. Explore objects that are different shapes – 2D shapes. Explore object that are different sizes – different land animal toys. Explore objects that are made of different, contrasting materials – metal and paper. Explore objects / containers that can be filled and emptied – cups and rice. Explore dropping different objects – feathers and beanbags. Explore dropping different objects into different materials – dropping objects into flour. Explore sensory objects that can be manipulated. 	<ul style="list-style-type: none"> Empty and fill containers with coins, paper, small 2D shapes, rice and flour. Explore inset boards and jigsaw related to maths / animals. Sort big and small animals with a noticeable difference. Throw big and small items into flour– which make the biggest splash / impact. Match item to item e.g. big bear on big chair encourage use of big and small. 	<ul style="list-style-type: none"> Explore objects and shapes e.g. containers, coins, 2D shapes, building blocks, animal toys. Explore the same items with a size difference. Use Numicon to create animal pictures. Go on a size hunt to look and take pictures of different sized animals. Sort objects by size big and small Sort objects by length short and long Cut pieces of ribbon at different lengths and create a dream catcher/ ribbon twirler Posting activities using shapes. Sort objects into categories. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> Explore objects and shapes e.g. containers, coins, 2D shapes, building blocks, animal toys. Begin to make comments about size. Compare different sized objects in a tray – use symbols to support. Explore objects that are varying weights in a tray – coins and paper. Begin to make comments about weight. Explore objects / containers that can be filled and emptied – cups and rice. Begin to make comments about capacity. Make a patterns using big and small animal pictures or long and short pictures. Cut pieces of ribbon at different lengths and make comments on size. Explore heavy and light objects - use symbols to support making a comment. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> Fold and cut paper shapes related to animals in half. Cut 2D shapes in half. Explore halving Numicon shapes. Explore objects and shapes e.g. containers, coins, 2D shapes, building blocks, animal toys. Make comments about size. Compare different sized objects in a tray – use symbols to support. Explore objects that are varying weights in a tray – coins and paper. Make comments about weight. Explore objects / containers that can be filled and emptied – cups and rice. Make comments about capacity. Make a patterns using big and small animal pictures or long and short pictures. Cut pieces of ribbon at different lengths and make comments on size. Explore heavy and light objects - use symbols to support making comments.
<p>Key Vocab</p> <p>Heavy, light, size, big, small, space, full, empty, pattern, fill.</p>				

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Cycle 2				
PNC1	PNC 2	PNC 3	PNC 4	PNC 5
<p>I can reach out for, touch and begin to hold objects</p> <p>I can smile with pleasure at recognisable playthings.</p> <p>I am beginning to know and enjoy daily routines, such as getting up time, mealtimes and bed time.</p>	<p>I enjoy filling and emptying containers.</p> <p>I can attempt, sometimes successfully to fit shapes into spaces on inset boards and jigsaw puzzles.</p> <p>I am beginning to categorise objects according to properties such as shape or size.</p> <p>I am beginning to use the language of size.</p>	<p>I show an interest in shape and space by playing with shapes and objects.</p> <p>I show awareness of similarities of shapes in the environment.</p> <p>I can show an interest in shapes in the environment.</p> <p>I can use shapes appropriately for tasks.</p> <p>I can sort objects and materials according to a given criteria.</p>	<p>I can make comments/use symbols about differences in size.</p> <p>I can make comments/use symbols about weight (e.g.; heavy/light).</p> <p>I can make comments/use symbols about capacity (full/empty).</p> <p>I can copy a simple pattern.</p>	<p>I can recognise, find and name a half as one of two equal parts of an object/shape.</p> <p><i>I can make a range of comments/using symbols about differences in size.</i></p> <p><i>I can make a range of comments/using symbols about weight (e.g.; heavy/light).</i></p> <p><i>I can make a range of comments/using symbols about capacity (full/empty).</i></p>
<ul style="list-style-type: none"> • Explore objects that are varying weights in a tray – stones and balls of in foil / pieces of wood. • Explore objects that are different shapes – 3D shapes. • Explore object that are different sizes – different toys linked to transport. • Explore objects that are made of different, contrasting materials – organic material (leaves etc.) and plastic objects. • Explore objects / containers that can be filled and emptied – bowls and water / shaving foam. • Explore dropping different objects – shredded paper and plastic counters. • Explore dropping different objects into different materials – dropping objects into rice. • Explore sensory objects that can be manipulated. 	<ul style="list-style-type: none"> • Empty and fill containers with foil pieces, small pieces of wood, small 3D shapes (pasta), leaves, water, shaving foam, rice. • Explore inset boards and jigsaw related to maths / transport. • Sort big and small vehicles with a noticeable difference. • Throw big and small items into rice– which make the biggest splash / impact. • Match item to item e.g. big bear on big chair encourage use of big and small. 	<ul style="list-style-type: none"> • Explore objects and shapes e.g. stones, foil balls, 3D shapes, building blocks, Jigsaws, transport toys. • Build 3D shapes linked to transport. • Explore the same items with a size difference. • Use Numicon to create transport pictures. • Go on a size hunt to look and take pictures of different sized vehicles. • Sort objects by size big and small • Sort objects by length short and long • Cut pieces of string at different lengths. • Posting activities using shapes. • Sort objects into categories 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> • Explore objects and shapes e.g. containers, coins, 3D shapes, building blocks, transport toys. Begin to make comments about size. • Compare different sized objects in a tray – use symbols to support. • Explore objects that are varying weights in a tray – stones and wood. Begin to make comments about weight. • Explore objects / containers that can be filled and emptied – water and foam. Begin to make comments about capacity. • Make a patterns using big and small transport pictures or long and short pictures. • Cut pieces of string at different lengths and make comments on size. • Explore heavy and light objects - use symbols to support making a comment. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> • Fold and cut paper shapes related to transport in half. • Cut 3D shapes in half. • Explore halving Numicon shapes. • Explore objects and shapes e.g. containers, coins, 3D shapes, building blocks, transport toys. Make comments about size. • Compare different sized objects in a tray – use symbols to support. • Explore objects that are varying weights in a tray – stones and wood. Make comments about weight. • Explore objects / containers that can be filled and emptied – water and foam. Make comments about capacity. • Make a patterns using big and small transport pictures or long and short pictures. • Cut pieces of string at different lengths and make comments on size. • Explore heavy and light objects - use symbols to support making a comment.
<p>Key Vocab</p> <p>Heavy, light, size, big, small, space, full, empty, pattern, fill.</p>				

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Cycle 3				
PNC1	PNC 2	PNC 3	PNC 4	PNC 5
<p>I can reach out for, touch and begin to hold objects</p> <p>I can smile with pleasure at recognisable playthings.</p> <p>I am beginning to know and enjoy daily routines, such as getting up time, mealtimes and bed time.</p>	<p>I enjoy filling and emptying containers.</p> <p>I can attempt, sometimes successfully to fit shapes into spaces on inset boards and jigsaw puzzles.</p> <p>I am beginning to categorise objects according to properties such as shape or size.</p> <p>I am beginning to use the language of size.</p>	<p>I show an interest in shape and space by playing with shapes and objects.</p> <p>I show awareness of similarities of shapes in the environment.</p> <p>I can show an interest in shapes in the environment.</p> <p>I can use shapes appropriately for tasks.</p> <p>I can sort objects and materials according to a given criteria.</p>	<p>I can make comments/use symbols about differences in size.</p> <p>I can make comments/use symbols about weight (e.g.; heavy/light).</p> <p>I can make comments/use symbols about capacity (full/empty).</p> <p>I can copy a simple pattern.</p>	<p>I can recognise, find and name a half as one of two equal parts of an object/shape.</p> <p><i>I can make a range of comments/using symbols about differences in size.</i></p> <p><i>I can make a range of comments/using symbols about weight (e.g.; heavy/light).</i></p> <p><i>I can make a range of comments/using symbols about capacity (full/empty).</i></p>
<ul style="list-style-type: none"> Explore objects that are varying weights in a tray – ceramic tiles and shredded paper. Explore objects that are different shapes – Numicon. Explore object that are different sizes – different water animal toys. Explore objects that are made of different, contrasting materials – uncooked pasta and fabric / material. Explore objects / containers that can be filled and emptied – boxes / tubs and sand. Explore dropping different objects – balloons and classroom objects – pens, books etc. Explore dropping different objects into different materials – dropping objects into water. Explore sensory objects that can be manipulated. 	<ul style="list-style-type: none"> Empty and fill containers with shredded paper, small pieces of ceramic tiles, small 3D shapes (plastic counters), fabric material, pens, and water. Explore inset boards and jigsaw related to maths / animals. Sort big and small animal toys and pictures with a noticeable difference. Throw big and small items into water – which make the biggest splash / impact. Match item to item e.g. big bear on big chair encourage use of big and small. 	<ul style="list-style-type: none"> Explore objects and shapes e.g. tiles, shredded paper balls, Numicon, 3D shapes, building blocks, Jigsaws, pasta, water animal toys. Explore the same items with a size difference. Use Numicon to create animal pictures. Go on a size hunt to look and take pictures of different sized animals. Sort objects by size big and small Sort objects by length short and long Cut pieces of paper at different lengths. Posting activities using shapes. Sort objects into categories. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> Explore objects and shapes e.g. containers, tiles, 3D shapes, building blocks, pasta, paper balls, Numicon, water animal toys. Begin to make comments about size. Compare different sized objects in a tray – use symbols to support. Explore objects that are varying weights in a tray – ceramic tiles and shredded paper. Begin to make comments about weight. Explore objects / containers that can be filled and emptied – using sand. Begin to make comments about capacity. Make a patterns using big and small water animal pictures or long and short pictures. Cut pieces of paper at different lengths and make comments on size. Explore heavy and light objects - use symbols to support making a comment. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> Fold and cut paper shapes related to water animals in half. Cut shapes and objects in half (cooked pasta). Explore halving Numicon shapes. Explore objects and shapes e.g. containers, tiles, 3D shapes, building blocks, pasta, paper balls, Numicon, water animal toys. Make comments about size. Compare different sized objects in a tray – use symbols to support. Explore objects that are varying weights in a tray – ceramic tiles and shredded paper. Make comments about weight. Explore objects / containers that can be filled and emptied – using sand. Make comments about capacity. Make a patterns using big and small water animal pictures or long and short pictures. Cut pieces of paper at different lengths and make comments on size. Explore heavy and light objects - use symbols to support making a comment.
<p>Key Vocab Heavy, light, size, big, small, space, full, empty, pattern, fill.</p>				

Maths PNC - Medium Term Planning Geometry Measurement

Cycle 4				
PNC1	PNC 2	PNC 3	PNC 4	PNC 5
<p>I can reach out for, touch and begin to hold objects</p> <p>I can smile with pleasure at recognisable playthings.</p> <p>I am beginning to know and enjoy daily routines, such as getting up time, mealtimes and bed time.</p>	<p>I enjoy filling and emptying containers.</p> <p>I can attempt, sometimes successfully to fit shapes into spaces on inset boards and jigsaw puzzles.</p> <p>I am beginning to categorise objects according to properties such as shape or size.</p> <p>I am beginning to use the language of size.</p>	<p>I show an interest in shape and space by playing with shapes and objects.</p> <p>I show awareness of similarities of shapes in the environment.</p> <p>I can show an interest in shapes in the environment.</p> <p>I can use shapes appropriately for tasks.</p> <p>I can sort objects and materials according to a given criteria.</p>	<p>I can make comments/use symbols about differences in size.</p> <p>I can make comments/use symbols about weight (e.g.; heavy/light).</p> <p>I can make comments/use symbols about capacity (full/empty).</p> <p>I can copy a simple pattern.</p>	<p>I can recognise, find and name a half as one of two equal parts of an object/shape.</p> <p><i>I can make a range of comments/using symbols about differences in size.</i></p> <p><i>I can make a range of comments/using symbols about weight (e.g.; heavy/light).</i></p> <p><i>I can make a range of comments/using symbols about capacity (full/empty).</i></p>
<ul style="list-style-type: none"> • Explore objects that are varying weights in a tray – marbles and cotton wool. • Explore objects that are different shapes – objects related to the home. • Explore objects that are different sizes – cardboard shapes. • Explore objects that are made of different, contrasting materials – string and dried spaghetti. • Explore objects / containers that can be filled and emptied – glitter and cups. • Explore dropping different objects – flour and rice. • Explore dropping different objects into different materials – dropping objects into soft and hard materials. • Explore sensory objects that can be manipulated. 	<ul style="list-style-type: none"> • Empty and fill containers with marbles, cotton wool, small 3D shapes (toys), string, glitter, flour and dried spaghetti. • Explore inset boards and jigsaw related to maths / objects. • Sort big and small objects and pictures with a noticeable difference related to the home. • Throw big and small items into different materials – which make the biggest noise. • Match item to item e.g. big bear on big chair encourage use of big and small. 	<ul style="list-style-type: none"> • Explore objects and shapes e.g. marbles, cotton wool, Numicon, 3D shapes, building blocks, Jigsaws, cardboard, string, pasta. • Explore the same items with a size difference. • Use Numicon to create pictures related to objects in the home. • Go on a size hunt to look and take pictures of different sized animals. • Sort objects by size big and small • Sort objects by length short and long • Draw lines in flour of differing lengths. • Posting activities using shapes. • Sort objects into categories. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> • Explore objects and shapes e.g. containers, marbles, 3D shapes, building blocks, pasta, cotton balls, Numicon, objects related to the home. Begin to make comments about size. • Compare different sized objects in a tray – use symbols to support. • Explore objects that are varying weights in a tray – marbles and cotton wool. Begin to make comments about weight. • Explore objects / containers that can be filled and emptied – using flour. Begin to make comments about capacity. • Make a patterns using big and small pictures of objects in the home or long and short pictures. • Draw lines in flour of different sizes – make comparisons. • Explore heavy and light objects - use symbols to support making a comment. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> • Fold and cut paper shapes related to water animals in half. • Cut shapes and objects in half (cooked pasta). • Explore halving Numicon shapes. • Explore objects and shapes e.g. containers, marbles, 3D shapes, building blocks, pasta, cotton balls, Numicon, objects related to the home. Make comments about size. • Compare different sized objects in a tray – use symbols to support. • Explore objects that are varying weights in a tray – marbles and cotton wool. Make comments about weight. • Explore objects / containers that can be filled and emptied – using flour. Make comments about capacity. • Make a patterns using big and small pictures of objects in the home or long and short pictures. • Draw lines in flour of different sizes – make comparisons. • Explore heavy and light objects - use symbols to support making a comment.
<p>Key Vocab</p> <p>Heavy, light, size, big, small, space, full, empty, pattern, fill.</p>				

Maths PNC - Medium Term Planning Geometry Measurement

Cycle 5				
PNC1	PNC 2	PNC 3	PNC 4	PNC 5
<p>I can reach out for, touch and begin to hold objects</p> <p>I can smile with pleasure at recognisable playthings.</p> <p>I am beginning to know and enjoy daily routines, such as getting up time, mealtimes and bed time.</p>	<p>I enjoy filling and emptying containers.</p> <p>I can attempt, sometimes successfully to fit shapes into spaces on inset boards and jigsaw puzzles.</p> <p>I am beginning to categorise objects according to properties such as shape or size.</p> <p>I am beginning to use the language of size.</p>	<p>I show an interest in shape and space by playing with shapes and objects.</p> <p>I show awareness of similarities of shapes in the environment.</p> <p>I can show an interest in shapes in the environment.</p> <p>I can use shapes appropriately for tasks.</p> <p>I can sort objects and materials according to a given criteria.</p>	<p>I can make comments/use symbols about differences in size.</p> <p>I can make comments/use symbols about weight (e.g.; heavy/light).</p> <p>I can make comments/use symbols about capacity (full/empty).</p> <p>I can copy a simple pattern.</p>	<p>I can recognise, find and name a half as one of two equal parts of an object/shape.</p> <p><i>I can make a range of comments/using symbols about differences in size.</i></p> <p><i>I can make a range of comments/using symbols about weight (e.g.; heavy/light).</i></p> <p><i>I can make a range of comments/using symbols about capacity (full/empty).</i></p>
<ul style="list-style-type: none"> Explore objects that are varying weights in a tray – coins and paper. Explore objects that are different shapes – 2D shapes. Explore object that are different sizes – different land animal toys. Explore objects that are made of different, contrasting materials – metal and paper. Explore objects / containers that can be filled and emptied – cups and rice. Explore dropping different objects – feathers and beanbags. Explore dropping different objects into different materials – dropping objects into flour. Explore sensory objects that can be manipulated. 	<ul style="list-style-type: none"> Empty and fill containers with coins, paper, small 2D shapes, rice and flour. Explore inset boards and jigsaw related to maths / animals. Sort big and small animals with a noticeable difference. Throw big and small items into flour– which make the biggest splash / impact. Match item to item e.g. big bear on big chair encourage use of big and small. 	<ul style="list-style-type: none"> Explore objects and shapes e.g. containers, coins, 2D shapes, building blocks, animal toys. Explore the same items with a size difference. Use Numicon to create animal pictures. Go on a size hunt to look and take pictures of different sized animals. Sort objects by size big and small Sort objects by length short and long Cut pieces of ribbon at different lengths and create a dream catcher/ ribbon twirler Posting activities using shapes. Sort objects into categories. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> Explore objects and shapes e.g. containers, coins, 2D shapes, building blocks, animal toys. Begin to make comments about size. Compare different sized objects in a tray – use symbols to support. Explore objects that are varying weights in a tray – coins and paper. Begin to make comments about weight. Explore objects / containers that can be filled and emptied – cups and rice. Begin to make comments about capacity. Make a patterns using big and small animal pictures or long and short pictures. Cut pieces of ribbon at different lengths and make comments on size. Explore heavy and light objects - use symbols to support making a comment. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> Fold and cut paper shapes related to animals in half. Cut 2D shapes in half. Explore halving Numicon shapes. Explore objects and shapes e.g. containers, coins, 2D shapes, building blocks, animal toys. Make comments about size. Compare different sized objects in a tray – use symbols to support. Explore objects that are varying weights in a tray – coins and paper. Make comments about weight. Explore objects / containers that can be filled and emptied – cups and rice. Make comments about capacity. Make a patterns using big and small animal pictures or long and short pictures. Cut pieces of ribbon at different lengths and make comments on size. Explore heavy and light objects - use symbols to support making comments.
<p>Key Vocab</p> <p>Heavy, light, size, big, small, space, full, empty, pattern, fill.</p>				

Maths PNC - Medium Term Planning Geometry Measurement

Cycle 6				
PNC1	PNC 2	PNC 3	PNC 4	PNC 5
<p>I can reach out for, touch and begin to hold objects</p> <p>I can smile with pleasure at recognisable playthings.</p> <p>I am beginning to know and enjoy daily routines, such as getting up time, mealtimes and bed time.</p>	<p>I enjoy filling and emptying containers.</p> <p>I can attempt, sometimes successfully to fit shapes into spaces on inset boards and jigsaw puzzles.</p> <p>I am beginning to categorise objects according to properties such as shape or size.</p> <p>I am beginning to use the language of size.</p>	<p>I show an interest in shape and space by playing with shapes and objects.</p> <p>I show awareness of similarities of shapes in the environment.</p> <p>I can show an interest in shapes in the environment.</p> <p>I can use shapes appropriately for tasks.</p> <p>I can sort objects and materials according to a given criteria.</p>	<p>I can make comments/use symbols about differences in size.</p> <p>I can make comments/use symbols about weight (e.g.; heavy/light).</p> <p>I can make comments/use symbols about capacity (full/empty).</p> <p>I can copy a simple pattern.</p>	<p>I can recognise, find and name a half as one of two equal parts of an object/shape.</p> <p><i>I can make a range of comments/using symbols about differences in size.</i></p> <p><i>I can make a range of comments/using symbols about weight (e.g.; heavy/light).</i></p> <p><i>I can make a range of comments/using symbols about capacity (full/empty).</i></p>
<ul style="list-style-type: none"> • Explore objects that are varying weights in a tray – stones and balls of in foil / pieces of wood. • Explore objects that are different shapes – 3D shapes. • Explore object that are different sizes – different toys linked to transport. • Explore objects that are made of different, contrasting materials – organic material (leaves etc.) and plastic objects. • Explore objects / containers that can be filled and emptied – bowls and water / shaving foam. • Explore dropping different objects – shredded paper and plastic counters. • Explore dropping different objects into different materials – dropping objects into rice. • Explore sensory objects that can be manipulated. 	<ul style="list-style-type: none"> • Empty and fill containers with foil pieces, small pieces of wood, small 3D shapes (pasta), leaves, water, shaving foam, rice. • Explore inset boards and jigsaw related to maths / animals. • Sort big and small vehicles with a noticeable difference. • Throw big and small items into rice– which make the biggest splash / impact. • Match item to item e.g. big bear on big chair encourage use of big and small. 	<ul style="list-style-type: none"> • Explore objects and shapes e.g. stones, foil balls, 3D shapes, building blocks, Jigsaws, transport toys. • Build 3D shapes linked to transport. • Explore the same items with a size difference. • Use Numicon to create transport pictures. • Go on a size hunt to look and take pictures of different sized vehicles. • Sort objects by size big and small • Sort objects by length short and long • Cut pieces of string at different lengths. • Posting activities using shapes. • Sort objects into categories 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> • Explore objects and shapes e.g. containers, coins, 3D shapes, building blocks, transport toys. Begin to make comments about size. • Compare different sized objects in a tray – use symbols to support. • Explore objects that are varying weights in a tray – stones and wood. Begin to make comments about weight. • Explore objects / containers that can be filled and emptied – water and foam. Begin to make comments about capacity. • Make a patterns using big and small transport pictures or long and short pictures. • Cut pieces of string at different lengths and make comments on size. • Explore heavy and light objects - use symbols to support making a comment. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> • Fold and cut paper shapes related to transport in half. • Cut 3D shapes in half. • Explore halving Numicon shapes. • Explore objects and shapes e.g. containers, coins, 3D shapes, building blocks, transport toys. Make comments about size. • Compare different sized objects in a tray – use symbols to support. • Explore objects that are varying weights in a tray – stones and wood. Make comments about weight. • Explore objects / containers that can be filled and emptied – water and foam. Make comments about capacity. • Make a patterns using big and small transport pictures or long and short pictures. • Cut pieces of string at different lengths and make comments on size. • Explore heavy and light objects - use symbols to support making a comment.
<p>Key Vocab</p> <p>Heavy, light, size, big, small, space, full, empty, pattern, fill.</p>				

Maths PNC - Medium Term Planning Geometry Measurement

Cycle 7				
PNC1	PNC 2	PNC 3	PNC 4	PNC 5
<p>I can reach out for, touch and begin to hold objects</p> <p>I can smile with pleasure at recognisable playthings.</p> <p>I am beginning to know and enjoy daily routines, such as getting up time, mealtimes and bed time.</p>	<p>I enjoy filling and emptying containers.</p> <p>I can attempt, sometimes successfully to fit shapes into spaces on inset boards and jigsaw puzzles.</p> <p>I am beginning to categorise objects according to properties such as shape or size.</p> <p>I am beginning to use the language of size.</p>	<p>I show an interest in shape and space by playing with shapes and objects.</p> <p>I show awareness of similarities of shapes in the environment.</p> <p>I can show an interest in shapes in the environment.</p> <p>I can use shapes appropriately for tasks.</p> <p>I can sort objects and materials according to a given criteria.</p>	<p>I can make comments/use symbols about differences in size.</p> <p>I can make comments/use symbols about weight (e.g.; heavy/light).</p> <p>I can make comments/use symbols about capacity (full/empty).</p> <p>I can copy a simple pattern.</p>	<p>I can recognise, find and name a half as one of two equal parts of an object/shape.</p> <p><i>I can make a range of comments/using symbols about differences in size.</i></p> <p><i>I can make a range of comments/using symbols about weight (e.g.; heavy/light).</i></p> <p><i>I can make a range of comments/using symbols about capacity (full/empty).</i></p>
<ul style="list-style-type: none"> • Explore objects that are varying weights in a tray – ceramic tiles and shredded paper. • Explore objects that are different shapes – Numicon. • Explore object that are different sizes – different water animal toys. • Explore objects that are made of different, contrasting materials – uncooked pasta and fabric / material. • Explore objects / containers that can be filled and emptied – boxes / tubs and sand. • Explore dropping different objects – balloons and classroom objects – pens, books etc. • Explore dropping different objects into different materials – dropping objects into water. • Explore sensory objects that can be manipulated. 	<ul style="list-style-type: none"> • Empty and fill containers with shredded paper, small pieces of ceramic tiles, small 3D shapes (plastic counters), fabric material, pens, and water. • Explore inset boards and jigsaw related to maths / animals. • Sort big and small animal toys and pictures with a noticeable difference. • Throw big and small items into water – which make the biggest splash / impact. • Match item to item e.g. big bear on big chair encourage use of big and small. 	<ul style="list-style-type: none"> • Explore objects and shapes e.g. tiles, shredded paper balls, Numicon, 3D shapes, building blocks, Jigsaws, pasta, animal toys. • Explore the same items with a size difference. • Use Numicon to create animal pictures. • Go on a size hunt to look and take pictures of different sized animals. • Sort objects by size big and small • Sort objects by length short and long • Cut pieces of paper at different lengths. • Posting activities using shapes. • Sort objects into categories. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> • Explore objects and shapes e.g. containers, tiles, 3D shapes, building blocks, pasta, paper balls, Numicon, water animal toys. Begin to make comments about size. • Compare different sized objects in a tray – use symbols to support. • Explore objects that are varying weights in a tray – ceramic tiles and shredded paper. Begin to make comments about weight. • Explore objects / containers that can be filled and emptied – using sand. Begin to make comments about capacity. • Make a patterns using big and small water animal pictures or long and short pictures. • Cut pieces of paper at different lengths and make comments on size. • Explore heavy and light objects - use symbols to support making a comment. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> • Fold and cut paper shapes related to water animals in half. • Cut shapes and objects in half (cooked pasta). • Explore halving Numicon shapes. • Explore objects and shapes e.g. containers, tiles, 3D shapes, building blocks, pasta, paper balls, Numicon, water animal toys. Make comments about size. • Compare different sized objects in a tray – use symbols to support. • Explore objects that are varying weights in a tray – ceramic tiles and shredded paper. Make comments about weight. • Explore objects / containers that can be filled and emptied – using sand. Make comments about capacity. • Make a patterns using big and small water animal pictures or long and short pictures. • Cut pieces of paper at different lengths and make comments on size. • Explore heavy and light objects - use symbols to support making a comment.
<p>Key Vocab</p> <p>Heavy, light, size, big, small, space, full, empty, pattern, fill.</p>				

Maths PNC - Medium Term Planning Geometry Measurement

Cycle 8				
PNC1	PNC 2	PNC 3	PNC 4	PNC 5
<p>I can reach out for, touch and begin to hold objects</p> <p>I can smile with pleasure at recognisable playthings.</p> <p>I am beginning to know and enjoy daily routines, such as getting up time, mealtimes and bed time.</p>	<p>I enjoy filling and emptying containers.</p> <p>I can attempt, sometimes successfully to fit shapes into spaces on inset boards and jigsaw puzzles.</p> <p>I am beginning to categorise objects according to properties such as shape or size.</p> <p>I am beginning to use the language of size.</p>	<p>I show an interest in shape and space by playing with shapes and objects.</p> <p>I show awareness of similarities of shapes in the environment.</p> <p>I can show an interest in shapes in the environment.</p> <p>I can use shapes appropriately for tasks.</p> <p>I can sort objects and materials according to a given criteria.</p>	<p>I can make comments/use symbols about differences in size.</p> <p>I can make comments/use symbols about weight (e.g.; heavy/light).</p> <p>I can make comments/use symbols about capacity (full/empty).</p> <p>I can copy a simple pattern.</p>	<p>I can recognise, find and name a half as one of two equal parts of an object/shape.</p> <p><i>I can make a range of comments/using symbols about differences in size.</i></p> <p><i>I can make a range of comments/using symbols about weight (e.g.; heavy/light).</i></p> <p><i>I can make a range of comments/using symbols about capacity (full/empty).</i></p>
<ul style="list-style-type: none"> Explore objects that are varying weights in a tray – coins and paper. Explore objects that are different shapes – 2D shapes. Explore object that are different sizes – different land animal toys. Explore objects that are made of different, contrasting materials – metal and paper. Explore objects / containers that can be filled and emptied – cups and rice. Explore dropping different objects – feathers and beanbags. Explore dropping different objects into different materials – dropping objects into flour. Explore sensory objects that can be manipulated. 	<ul style="list-style-type: none"> Empty and fill containers with coins, paper, small 2D shapes, rice and flour. Explore inset boards and jigsaw related to maths / animals. Sort big and small animals with a noticeable difference. Throw big and small items into flour– which make the biggest splash / impact. Match item to item e.g. big bear on big chair encourage use of big and small. 	<ul style="list-style-type: none"> Explore objects and shapes e.g. containers, coins, 2D shapes, building blocks, animal toys. Explore the same items with a size difference. Use Numicon to create animal pictures. Go on a size hunt to look and take pictures of different sized animals. Sort objects by size big and small Sort objects by length short and long Cut pieces of ribbon at different lengths and create a dream catcher/ ribbon twirler Posting activities using shapes. Sort objects into categories. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> Explore objects and shapes e.g. containers, marbles, 3D shapes, building blocks, pasta, cotton balls, Numicon, objects related to the home. Begin to make comments about size. Compare different sized objects in a tray – use symbols to support. Explore objects that are varying weights in a tray – marbles and cotton wool. Begin to make comments about weight. Explore objects / containers that can be filled and emptied – using flour. Begin to make comments about capacity. Make a patterns using big and small pictures of objects in the home or long and short pictures. Draw lines in flour of different sizes – make comparisons. Explore heavy and light objects - use symbols to support making a comment. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> Fold and cut paper shapes related to water animals in half. Cut shapes and objects in half (cooked pasta). Explore halving Numicon shapes. Explore objects and shapes e.g. containers, marbles, 3D shapes, building blocks, pasta, cotton balls, Numicon, objects related to the home. Make comments about size. Compare different sized objects in a tray – use symbols to support. Explore objects that are varying weights in a tray – marbles and cotton wool. Make comments about weight. Explore objects / containers that can be filled and emptied – using flour. Make comments about capacity. Make a patterns using big and small pictures of objects in the home or long and short pictures. Draw lines in flour of different sizes – make comparisons. Explore heavy and light objects - use symbols to support making a comment.
<p>Key Vocab</p> <p>Heavy, light, size, big, small, space, full, empty, pattern, fill.</p>				

Maths PNC - Medium Term Planning Geometry Measurement

Cycle 9				
PNC1	PNC 2	PNC 3	PNC 4	PNC 5
<p>I can reach out for, touch and begin to hold objects</p> <p>I can smile with pleasure at recognisable playthings.</p> <p>I am beginning to know and enjoy daily routines, such as getting up time, mealtimes and bed time.</p>	<p>I enjoy filling and emptying containers.</p> <p>I can attempt, sometimes successfully to fit shapes into spaces on inset boards and jigsaw puzzles.</p> <p>I am beginning to categorise objects according to properties such as shape or size.</p> <p>I am beginning to use the language of size.</p>	<p>I show an interest in shape and space by playing with shapes and objects.</p> <p>I show awareness of similarities of shapes in the environment.</p> <p>I can show an interest in shapes in the environment.</p> <p>I can use shapes appropriately for tasks.</p> <p>I can sort objects and materials according to a given criteria.</p>	<p>I can make comments/use symbols about differences in size.</p> <p>I can make comments/use symbols about weight (e.g.; heavy/light).</p> <p>I can make comments/use symbols about capacity (full/empty).</p> <p>I can copy a simple pattern.</p>	<p>I can recognise, find and name a half as one of two equal parts of an object/shape.</p> <p><i>I can make a range of comments/using symbols about differences in size.</i></p> <p><i>I can make a range of comments/using symbols about weight (e.g.; heavy/light).</i></p> <p><i>I can make a range of comments/using symbols about capacity (full/empty).</i></p>
<ul style="list-style-type: none"> Explore objects that are varying weights in a tray – stones and balls of in foil / pieces of wood. Explore objects that are different shapes – 3D shapes. Explore object that are different sizes – different toys linked to transport. Explore objects that are made of different, contrasting materials – organic material (leaves etc.) and plastic objects. Explore objects / containers that can be filled and emptied – bowls and water / shaving foam. Explore dropping different objects – shredded paper and plastic counters. Explore dropping different objects into different materials – dropping objects into rice. Explore sensory objects that can be manipulated. 	<ul style="list-style-type: none"> Empty and fill containers with foil pieces, small pieces of wood, small 3D shapes (pasta), leaves, water, shaving foam, rice. Explore inset boards and jigsaw related to maths / animals. Sort big and small vehicles with a noticeable difference. Throw big and small items into rice– which make the biggest splash / impact. Match item to item e.g. big bear on big chair encourage use of big and small. 	<ul style="list-style-type: none"> Explore objects and shapes e.g. stones, foil balls, 3D shapes, building blocks, Jigsaws, transport toys. Build 3D shapes linked to transport. Explore the same items with a size difference. Use Numicon to create transport pictures. Go on a size hunt to look and take pictures of different sized vehicles. Sort objects by size big and small Sort objects by length short and long Cut pieces of string at different lengths. Posting activities using shapes. Sort objects into categories 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> Explore objects and shapes e.g. containers, coins, 2D shapes, building blocks, animal toys. Begin to make comments about size. Compare different sized objects in a tray – use symbols to support. Explore objects that are varying weights in a tray – coins and paper. Begin to make comments about weight. Explore objects / containers that can be filled and emptied – cups and rice. Begin to make comments about capacity. Make a patterns using big and small animal pictures or long and short pictures. Cut pieces of ribbon at different lengths and make comments on size. Explore heavy and light objects - use symbols to support making a comment. 	<p>Where possible link to the key text.</p> <ul style="list-style-type: none"> Fold and cut paper shapes related to animals in half. Cut 2D shapes in half. Explore halving Numicon shapes. Explore objects and shapes e.g. containers, coins, 2D shapes, building blocks, animal toys. Make comments about size. Compare different sized objects in a tray – use symbols to support. Explore objects that are varying weights in a tray – coins and paper. Make comments about weight. Explore objects / containers that can be filled and emptied – cups and rice. Make comments about capacity. Make a patterns using big and small animal pictures or long and short pictures. Cut pieces of ribbon at different lengths and make comments on size. Explore heavy and light objects - use symbols to support making comments.
<p>Key Vocab</p> <p>Heavy, light, size, big, small, space, full, empty, pattern, fill.</p>				