Nutty Maths! Scottish Curriculum for Excellence Links

Early

| Estimation | MNU 0-01a: I am developing a sense of size and amount by observing, using and communicating with others about things in the world around me |
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| Learn with | MTH 0-13a: I have spotted and explored patterns in my own and the wider environment and can |
| Leaves | copy and continue these and create my own patterns. |
| | MIH U-168: I enjoy investigating objects and snapes and can sort, describe and be creative with them |
| | MTH 0-19a: I have had fun creating a range of symmetrical pictures and patterns using a range of |
| | media |
| | MNU 0-20b: I can match objects and sort using my own and others' criteria, sharing my ideas with others |
| Treasure | MTH 0-17a: In movement, games and using technology I can use simple directions and describe |
| Hunt | positions. |
| Measuring | MNU 0-07a: I can share out a group of items by making smaller groups and can split a whole object |
| and Sharing | Into smaller parts. MNU 0-11a: I have experimented with everyday items as units of measure to investigate and |
| | compare sizes and amounts in my environment, sharing my findings with others. |
| Minibeasting | MNU 0-20a: I can collect objects and ask questions to gather information, organising and displaying |
| | my findings in different ways. MNU 0-20b: I can match objects and sort using my own and others' criteria, sharing my ideas with |
| | others. |
| First | |
| Ectimation | MNUL1 012: I can share ideas with others to develop ways of estimating the answer of a calculation |
| Estimation | or problem, work out the actual answer, then check my solution by comparing it with the estimate |
| | MNU 1-11a: I can estimate how long or heavy an object is, or what amount it holds, using everyday |
| Loorn with | things as a guide, then measure or weigh it using appropriate instruments and units. |
| Leaves | of media. |
| 200100 | MTH 1-13b: Through exploring number patterns, I can recognise and continue simple number |
| | sequences and can explain the rule I have applied. |
| | making best use of the mental strategies and written skills I have developed. |
| Maps and | MTH 1-17a: I can describe, follow and record routes and journeys using signs, words and angles |
| Directions | associated with direction and turning. |
| | contexts and can use them to locate and describe position. |
| Measuring | MNU 1-07a: Having explored fractions by taking part in practical activities, I can show my |
| and Sharing | understanding of: How a single item can be shared equally; The notation and vocabulary associated |
| | MNU 1-07b: Through exploring how groups of items can be shared equally. I can find a fraction of |
| | an amount by applying my knowledge of division. |
| | MTH 1-07c: Through taking part in practical activities including use of pictorial representations, I |
| Miniheasting | can demonstrate my understanding of simple fractions which are equivalent. MNU 1-20b: I have used a range of ways to collect information and can sort it in a logical organised |
| minocusting | and imaginative way using my own and others' criteria. |
| | MTH 1-21a: Using technology and other methods, I can display data simply, clearly and accurately |
| Tremendous | by creating tables, charts and diagrams using simple labelling and scale. MNU 1-20b: I have used a range of ways to collect information and can sort it in a logical organised of |
| Trees | and imaginative way using my own and others' criteria. |
| | |

MTH 1-21a: Using technology and other methods, I can display data simply, clearly and accurately by creating tables, charts and diagrams using simple labelling and scale. MNU 1-11b: I can estimate the area of a shape by counting squares or other methods. Canopy MNU 1-01a: I can share ideas with others to develop ways of estimating the answer of a calculation or problem, work out the actual answer, then check my solution by comparing it with the estimate. Calculations MNU 1-11b: I can estimate the area of a shape by counting squares or other methods. Second MTH 2-13a: Having explored more complex number sequences, including well-known named Learn with patterns, I can explain the rule used to generate the sequence, and apply it to extend the pattern. Leaves MTH 2-17a: I have investigated angles in the environment, and can discuss, describe and classify angles using appropriate mathematical vocabulary. MTH 2-17b: I can accurately measure and draw angles using appropriate equipment, applying my skills to problems in context. MTH 2-19a: I can illustrate the lines of symmetry for a range of 2D shapes and apply my understanding to create and complete symmetrical pictures and patterns. MTH 2-17c: Through practical activities which include the use of technology, I have developed my Maps and understanding of the link between compass points and angles and can describe, follow and record Directions directions, routes and journeys using appropriate vocabulary. MTH 2-17d: Having investigated where, why and how scale is used and expressed, I can apply my understanding to interpret simple models, maps and plans. MNU 2-20b: I have carried out investigations and surveys, devising and using a variety of methods Minibeasting to gather information and have worked with others to collate, organise and communicate the results in an appropriate way. MTH 2-21a: I can display data in a clear way using a suitable scale, by choosing appropriately from an extended range of tables, charts, diagrams and graphs, making effective use of technology. MNU 2-01a: I can use my knowledge of rounding to routinely estimate the answer to a problem Tremendous then, after calculating, decide if my answer is reasonable, sharing my solution with others. Trees MNU 2-11a: I can use my knowledge of the sizes of familiar objects or places to assist me when making an estimate of measure. MNU 2-11b: I can use the common units of measure, convert between related units of the metric system and carry out calculations when solving problems. MNU 2-11c: I can explain how different methods can be used to find the perimeter and area of a simple 2D shape or volume of a simple 2D object. MNU 2-01a: I can use my knowledge of rounding to routinely estimate the answer to a problem Canopy then, after calculating, decide if my answer is reasonable, sharing my solution with others. Calculations MNU 2-11a: I can use my knowledge of the sizes of familiar objects or places to assist me when making an estimate of measure. MNU 2-11b: I can use the common units of measure, convert between related units of the metric system and carry out calculations when solving problems. MNU 2-11c: I can explain how different methods can be used to find the perimeter and area of a simple 2D shape or volume of a simple 2D object. MNU 2-02a: I have extended the range of whole numbers I can work with and having explored how Nutty Maths decimal fractions are constructed, can explain the link between a digit, its place and its value. Problems MNU 2-03a: Having determined which calculations are needed, I can solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others. MTH 2-03c: Having explored the need for rules for the order of operations in number calculations, I can apply them correctly when solving simple problems. MNU 2-07a: I have investigated the everyday contexts in which simple fractions, percentages or decimal fractions are used and can carry out the necessary calculations to solve related problems. **MNU 2-07b:** I can show the equivalent forms of simple fractions, decimal fractions and percentages and can choose my preferred form when solving a problem, explaining my choice of method. MTH 2-17a: I have investigated angles in the environment, and can discuss, describe and classify Data and angles using appropriate mathematical vocabulary. Graphs MNU 2-20b: I have carried out investigations and surveys, devising and using a variety of methods to gather information and have worked with others to collate, organise and

communicate the results in an appropriate way.

MTH 2-21a: I can display data in a clear way using a suitable scale, by choosing appropriately from an extended range of tables, charts, diagrams and graphs, making effective use of technology.

Third & Fourth

| Symmetry in Nature | MTH 3-19a: I can illustrate the lines of symmetry for a range of 2D shapes and apply my understanding to create and complete symmetrical pictures and patterns. |
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| Huture | MTH 4-19a: Having investigated patterns in the environment, I can use appropriate mathematical |
| | understanding when completing or creating designs |
| Mans and | MTH 3-17h . Having investigated navigation in the world I can apply my understanding of hearings |
| Directions | and scale to interpret maps and plans and create accurate plans, and scale drawings of routes and journeys. |
| Tremendous | MNU 3-03a: I can use a variety of methods to solve problems in familiar contexts, clearly communicating my processes and solutions |
| nees | MNU 3-11a: I can solve practical problems by applying my knowledge of measure, choosing the appropriate units and degree of accuracy for the task and using a formula to calculate area or volume when required |
| | MTH 3-11b: Having investigated different routes to a solution, I can find the area of compound 2D shapes and the volume of compound 3D objects, applying my knowledge to solve practical problems |
| | MNU 4-03a: Having recognised similarities between new problems and problems I have solved before, I can carry out the necessary calculations to solve problems set in unfamiliar contexts. MNU 4-11a: I can apply my knowledge and understanding of measure to everyday problems and tasks and appreciate the practical importance of accuracy when making calculations. MTH 4-16b: Having investigated relationships between the radius, diameter, circumference and area of a circle, I can apply my knowledge to solve related problems. MTH 4-17b: I can apply my understanding of the properties of similar figures to solve problems. |
| | involving length and area |
| Canony | MNU 3-11a. I can solve practical problems by applying my knowledge of measure, choosing the |
| Calculations | appropriate units and degree of accuracy for the task and using a formula to calculate area or volume when required. |
| | MTH 3-11b: Having investigated different routes to a solution, I can find the area of compound 2D shapes and the volume of compound 3D objects, applying my knowledge to solve practical problems. |
| | MNU 4-03a: Having recognised similarities between new problems and problems I have solved before, I can carry out the necessary calculations to solve problems set in unfamiliar contexts. MNU 4-11a: I can apply my knowledge and understanding of measure to everyday problems and tasks and appreciate the practical importance of accuracy when making calculations. MTH 4-16b: Having investigated relationships between the radius, diameter, circumference and area of a circle. I can apply my knowledge to solve related problems. |
| Data and Graphs | MTH 3-21a: I can display data in a clear way using a suitable scale, by choosing appropriately from an extended range of tables, charts, diagrams and graphs, making effective use of technology. MNU 4-20a: I can evaluate and interpret raw and graphical data using a variety of methods, comment on relationships I observe within the data and communicate my findings to others. MTH 4-21a: I can select appropriately from a wide range of tables, charts, diagrams and graphs when displaying discrete, continuous or grouped data, clearly communicating the significant features of the data. |

Trees for L¥fe

Rewilding the Scottish Highlands Ath-fhiadhachadh na Gàidhealtachd

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