

Numeracy in Expressive Arts

March 2023

Examples of contexts for learning across Expressive Arts to improve Numeracy skills.

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Introduction

Scotland's curriculum emphasises the importance of ensuring that learners engage in interdisciplinary learning, where they use skills across different areas of content and contexts. The teaching of numeracy is the responsibility for all. Expressive Arts offers an excellent opportunity to contextualise numeracy for children and young people. Across the range of Expressive Arts subjects there are many opportunities to enable learners to apply their numeracy skills, whilst enjoying the exciting learning opportunities which both of these contexts provide.



Numeracy and Maths Skills

- Interpret questions
- Select and communicate processes and solutions
- Justify choice of strategy used
- Link mathematical concepts
- Use mathematical vocabulary and notation
- Use mental agility
- Reason algebraically
- Determine the reasonableness of a solution

Expressive Arts Skills

- Apply creative skills to produce and perform more complex pieces of work
- Recognise creativity and skill in the work of other people
- Demonstrate increasing skills and confidence in presentations and performances
- Appreciation of how the expressive arts relate to the wider world and different cultures
- Show enjoyment of the expressive arts, for example through evaluating constructively their own work and that of others, and suggesting how it can be improved.

This document offers examples of contexts across Expressive Arts where numeracy skills can be developed well and provides links to the Experiences and Outcomes and the Benchmarks. There are also some links to the Mathematics Experiences and Outcomes, as particular Expressive Arts skills can also align to Mathematics.

How to Use this Document

This document has been created to support practitioners to consider how to make links between numeracy and expressive arts skills. This includes examples of how to extend learner's numeracy skills through an expressive arts context. Supporting learners to apply their numeracy skills in different contexts can bring depth, breath and challenge in their understanding.

This document can be used in a variety of ways. The exemplars can be used to support practitioners to consider real and relevant contexts which could be used to develop learners' skills between numeracy and expressive arts. It can also be used to support interdisciplinary learning through planning of particular projects or school events. It could also be used to support discussions about the ways numeracy and expressive arts skills are taught and what the expectations are on learners working within each of the levels. It is important that practitioners highlight to learners the skills they are developing in both numeracy and expressive arts.

The examples included in this document should be used as suggestions and it is important to note that these may need to be adapted to make them suitable for the learners that you are working with. You might wish to include links to other Experiences and Outcomes which you are focusing on or take out certain elements which are not appropriate for your context. The examples do not need to be worked through in any order.

Where appropriate, we have included hyperlinks to resources which may support you in your planning. Several of these come from external sources which were correct at the time of publication.

Contexts for Learning – Early Level

Early Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy	Demonstrates skills of estimation in the contexts of number and measure using relevant vocabulary, including less than,	When creating models and drawings mathematical language is modelled and used to describe and compare the designs and features.
Estimation MNU 0-01a Measurement MNU 0-11a	 Compares and describes lengths, heights, mass and capacities using everyday language, including longer, shorter, taller, heavier, lighter, more and less. 	Vocabulary linked to estimation is modelled and used to create, compare and adapt designs.
Expressive Arts Art and Design EXA 0-02a EXA 0-06a	 Records from experiences across the curriculum, for example, through observing and remembering, makes a model or drawing based on an aspect of the natural environment such as natural items from the sea shore, the countryside, a forest. Solves simple design problems, working on their own and with others, using a degree of trial and error, for example, designs a simple container for an agreed purpose. 	Education Scotland: Being me Through Block Play Wakelet

Early Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy Data and Analysis MNU 0-20b	 Uses knowledge of colour, shape, size and other properties to match and sort items in a variety of different ways. 	When discussing different examples of art, mathematical language linked to pattern, size, colour and shape is modelled and used to describe what can be seen.
Patterns and Relationships MTH 0-13a	Copies, continues and creates simple patterns involving objects, shapes and numbers.	
Expressive Arts	 Recognises colour, line, shape and at least one more of the visual elements: form, tone, pattern, texture. 	
Art and Design EXA 0-04a EXA 0-06a	 Solves simple design problems, working on their own and with others, using a degree of trial and error, for example, designs a simple container for an agreed purpose. 	
		When exploring patterns in the world around them, learners are encouraged to use their knowledge of colour, shape and size to copy, continue and create their own designs.
		When working on simple design problems learners could be asked to use their knowledge of colour, shape and size to continue and create their own designs.
		National Galleries of Scotland - The Beauty of Maths

Early Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy Number and Number Processes MNU 0-02a MNU 0-03a	 Uses one-to-one correspondence to count a given number of objects to 20. Uses ordinal numbers in real life contexts, for example, 'I am third in the line'. Uses the language of before, after and inbetween. 	When creating and performing repeated movements and gestures, learners are encouraged to use mathematical language correctly, for example; first we jump, then three claps before we crouch down. Learners are encouraged to count the steps in simple, repeated sequences, keeping in time to the beat.
Dance EXA 0-08a EXA 0-10a	 Performs a range of simple, repeated, intentional movements and gestures. Chooses and explores ways of moving rhythmically, expressively and playfully. Shows understanding that dance consists of combined movements and gestures, usually performed with music or a beat. 	

Early Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy	 Uses the language of before, after and inbetween. Uses ordinal numbers in real life contexts, for 	Mathematical language linked to time and sequences is modelled and used when re-enacting stories or traditional tales in role. For example; <i>First</i> the three little pigs built their houses, <i>after</i> that the wolf come along. He
Number and Number Processes	example, 'I am third in the line'.	knocks on the door of the <i>second</i> little pigs' house
MNU 0-02a MNU 0-03a	 Links daily routines and personal events to time sequences. 	This could be extended to include links to time sequences. For example; <i>In the morning</i> the little pigs went to get their building materials. <i>After</i> they had picked
Time MNU 0-10a	 Uses appropriate language when discussing time, including before, after, o'clock, hour hand and minute hand. 	up their supplies they started to build their houses. At one o'clock they spotted the wolf prowling around outside
Expressive Arts	Takes on a role within a play or dramatised situation, for example, a puppet show, a real or imagined situation, re-enactment of a story or	
Drama EXA 0-14a	traditional tale.	Then I'll huff and puff and

Early Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy Number and Number Processes MNU 0-02a MNU 0-03a	 When counting objects, understands that the number name of the last object counted is the name given to the total number of objects in the group. Recalls the number sequence forwards within the range 0 - 30, from any given number 	When playing along on different musical instruments, learners are encouraged to count their beats, taps or claps, keeping in time to the beat. When exploring sounds learners are encouraged to copy, continue and create simple patterns. For example; clap, clap, stamp, clap, clap, stamp.
Patterns and Relationships MTH 0-13a	 Uses one-to-one correspondence to count a given number of objects to 20. Copies, continues and creates simple patterns involving objects, shapes and numbers. 	Maths Week Scotland 2022 - Ideas and Inspiration Pack When listening to different music styles mathematical language linked to pattern, counting, order and speed can be modelled and used to describe what is heard.
Expressive Arts Music EXA 0-16a EXA 0-17a EXA 0-18a	 Uses instruments such as drum, claves, chime bar to play along to a range of music styles. Shares views and listens appropriately to the views of others, for example, states if the music is fast/slow or loud/quiet. uses voice to explore sound and rhythm, for example, hums, whispers, sings. chooses different musical instruments to play such as chime bar, drum or body percussion, exploring sound and rhythm by, for example, clapping, tapping. 	For example: "the keyboard is playing fast"; "I hear four taps"; "the triangle plays after the drums"; "it goes 1, 2, 1, 2"; "sounds like tick, tock, tick, tock" The Kitchen Sink (backing track) - BBC Teach A range of mathematical concepts such as counting, ordering, sequencing and using finger patterns and can be reinforced through taking part in songs and rhymes. Bookbug Song and Rhyme Library - Scottish Book Trust

Contexts for Learning – First Level

First Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy Measurement MNU 1-11a	 Uses knowledge of everyday objects to provide reasonable estimates of length, height, mass and capacity. Makes accurate use of a range of instruments including rulers, metre sticks, digital scales and measuring jugs when measuring lengths, heights, mass and capacities using the most appropriate instrument for the task. 	Learners could be given a design problem to plan and create a frame to display a piece of artwork. The design problem might ask learners to work to certain specifications to do with length and height. Learners should be encouraged to select and use measuring instruments accurately.
Expressive Arts Art and Design EXA 1-03a EXA 1-06a	 Presents images and objects created, for example, positions a simple frame over a picture or arranges an object on a simple stand and observes from different angles. Solves at least one design problem related to real-life, showing some evidence of planning, for example, designs a simple item to be worn on the head or body. 	

First Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy	Continues and creates repeating patterns involving shapes, pictures and symbols.	Learners could be given a design problem to plan, and create a piece of clothing for a particular purpose. The
Patterns and Relationships MTH 1-13a	Identifies symmetry in patterns, pictures, nature and 2D shapes.	design problem might include specifications related to different mathematics concepts such as size, using a repeated pattern of shapes or colours or including an element of symmetry within their design.
Properties of 2D shapes and 3D objects MTH 1-16b	Creates symmetrical pictures and designs with more than one line of symmetry.	Mathematical vocabulary related to shape, colour, symmetry and pattern could be used when planning
Angel, Symmetry and Transformation MTH 1-19a	 Identifies examples of tiling in the environment and applies knowledge of the features of 2D shapes to create tiling patterns incorporating two different shapes. 	and describing designs.
Expressive Arts	Solves at least one design problem related to real-life, showing some evidence of planning, for example, designs a simple item to be worn on the head or body.	
Art and Design EXA 1-03a EXA 1-06a	 Recognises and names most of the visual elements: line, shape, form, colour, tone, pattern, texture. 	The state of the s
	Shows understanding of the concept of scale , for example, represents mountains as bigger than people.	$\begin{array}{c} X \times X \times X \times X \\ X \times X \times X \times X \\ X \times X \times$

First Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy Time MNU 1-10c	Selects and uses the appropriate timers for a specific purpose.	When creating a number of short improvisations, based on a well-known story, learners could be encouraged to select and use an appropriate timer to measure the duration of each drama. For example; two minutes to show what happened next in a traditional tale. Ten minutes to work together to change the ending of the
Expressive Arts Drama EXA 1-14a	Creates a short drama using improvisation, from a given stimulus and working collaboratively.	story, with forty five seconds to present this piece to the class.

First Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy Number and Number Processes	Reads, writes, orders and recites whole numbers to 1000, starting from any number in the sequence.	When exploring and creating different dance formations, encourage learners to keep track of the sequence of the movements and the rhythm of the music by counting in time to the beats.
MNU 1-02a Patterns and Relationships MTH 1-13a Angle, Symmetry and Transformation MTH 1-17a	 Continues and creates repeating patterns involving shapes, pictures and symbols. Uses technology and other methods to describe, follow and record directions using words associated with angles, directions and turns including, full turn, half turn, quarter turn, clockwise, anticlockwise, right turn, left turn, right angle. 	Mathematical vocabulary linked to directions, turns and repeated patterns could be used to describe the sequence. For example; The Canadian Barn Dance Instructions Formation: Standing in pairs around the room, each pair should be facing anti-clockwise,
Expressive Arts Dance EXA 1-08a EXA 1-10a	 Creates, rehearses and performs short dance sequences, working on their own and with others. Creates new dance movements and sequences using their dance repertoire, incorporating different speeds and levels, characters and emotions to add interest and variety. Explores rhythm, movement and space, and increases possibilities for expression through movement. Demonstrates understanding of simple formations, such as circles or squares, through taking in part in group dance. 	 Dance Steps; Walk forward for three steps and hop. Walk backwards for three steps and hop. Move sideways, 4 steps away from your partner and clap. Back towards your partners for a count of 4 beats and join in ballroom hold. Two steps to the left, 2 steps to the right. Four step-hops to turn anti-clockwise, in a polka, around the room for 8 beats. Lesson Pack: Ceilidh Counts Simple Scottish dances Royal Scottish Country Dance Society (rscds.org)

First Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy Number and Number Processes MNU 1-02a	 Reads, writes, orders and recites whole numbers to 1000, starting from any number in the sequence. Explains what a fraction is using concrete materials, pictorial representations and 	When performing simple melodic parts and rhythms, learners are encouraged to keep track of the beats by counting in time. Learners can continue, copy and create repeated patterns within a rhythm.
Fractions, Decimal Fractions and Percentages MNU 1-07a MTH 1-07c Patterns and Relationships MTH 1-13a	 Demonstrates understanding that the greater the number of equal parts, the smaller the size of each share. Uses known multiplication and division facts and other strategies to find unit fractions of whole numbers, for example, ½ or ¼. Continues and creates repeating patterns involving shapes, pictures and symbols. 	Musical Maths Musicians use maths skills such as counting and playing in time. Listen to different songs and see if you can clap in time to the beat of the music. Explore musical beats and patterns using different types of actions and instruments. For example; count to the beat of 4 over and over at a steady pace. Then clap every time you hear 1. Use symbols to show other types of actions such as a ting on 3, a stamp on 4. Experiment with different types of patterns for example clap, clap, ting, ting. This could be extended into counts of 8. This activity could be extended further by exploring the link between musical notation and fractions.
Expressive Arts Music EXA 1-16a EXA 1-17a	 Performs a simple rhythm part on a range of instruments, for example, keeps the beat using body/untuned percussion. Performs simple melodic parts, for example, on tuned percussion, tin whistle, recorder. Follows simple music notation, for example, in the form of pictures, graphics, treble clef. 	From: Maths Week Scotland - First Level Activity Pack

This can be extended to explore how simple music notation is linked to fractions. For example; one semibreve is the same as two minims. **Note Name Note Symbol Note Value** Semibreve 4 beats Minim 2 beats Crotchet 1 beat $\frac{1}{2}$ of a beat Quaver 2 1 3 4

Contexts for Learning – Second Level

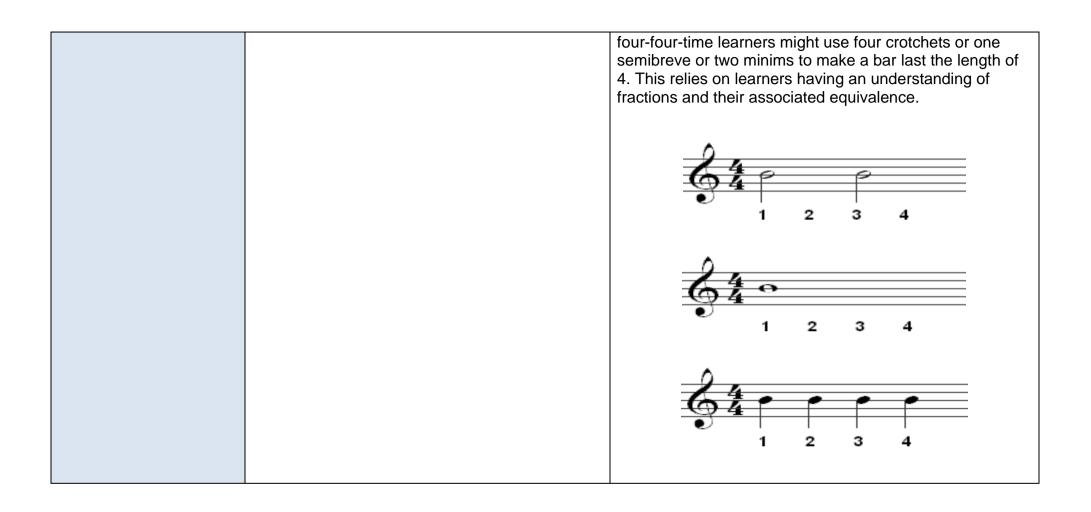
Second Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy	• Uses the comparative size of familiar	When creating images, learners are encouraged to use
	objects to make reasonable estimations of	their knowledge of the size of familiar objects to make
Measurement	length, mass, area and capacity.	accurate representations of shapes and objects. For example; drawing a street scene using perspective to
MNU 2-11a		add depth and realism. Learners could also use digital
Properties of 2D shapes	Uses digital technologies and mathematical instruments to draw 3D shapes and make	technologies to create their images or be asked to draw
and 3D objects	instruments to draw 2D shapes and make representations of 3D objects,	objects to scale.
MTH 2-16c	understanding that not all parts of the 3D	
Anala Cummatry and	object can be seen.	
Angle, Symmetry and Transformation	•	The Company of the Co
MTH 2-17d	• Interprets maps, models or plans with	一个一个一个
	simple scales, for example, 1 cm:2 km.	
Expressive Arts		
·	Shows understanding of the concept of	
Art and Design	depth, for example, shows a foreground, a	
EXA 2-03a	middle ground and a background in a picture.	
		Perspective in drawing and painting - 2nd level Art and
		Design - BBC Bitesize

Second Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy	 Compares costs and determines affordability within a given budget. Carries out money calculations involving the four operations. 	When investigating a design brief, such as designing a toy or new packaging, learners could gather views and opinions through a survey. They can be encouraged to think about what information they need to gather and
Money MNU 2-09a MNU 2-09c Time MNU 2-10a Data and Analysis MNU 2-20a MNU 2-20b	 Calculates profit and loss accurately, for example, when working with a budget for an enterprise activity. Uses and interprets a range of electronic and paper-based timetables and calendars to plan events or activities and solve real life problems. Devises ways of collecting data in the most suitable way for the given task. 	the best way to collect this data. Once they have gathered their data and analysed the results they could use the information to inform the choices and decisions that they make with regards to their design brief. When creating a plan towards their final design, learners could be encouraged to use a timetable or calendar to work towards key points in their process. This could be extended to include working towards a
Expressive Arts Art and Design EXA 2-06a	 Analyses, interprets and draws conclusions from a variety of data. Creates a simple plan that explains how they will investigate and develop ideas in response to a design brief. Follows a step-by-step process to develop and communicate ideas in response to a design brief. 	set budget for their design, and learners could be asked to compare the cost of different materials and options to find the most cost effective design. If completing the design brief as part of an enterprise activity learners could be encouraged to track their profit and loss. Home - Make £5 Grow (make-5-grow.co.uk) https://yes.org.uk/programmes.php?id=5

Second Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy Number and Number Processes MNU 1-02a Angle, Symmetry and Transformation MTH 1-17a	 Counts forwards and backwards in 2s, 5s, 10s, 100s. Uses technology and other methods to describe, follow and record directions using words associated with angles, directions and turns including, full turn, half turn, quarter turn, clockwise, anticlockwise, right turn, left turn, right angle. 	Mathematical language linked to counting, directions and turns should be explicitly used to follow and describe different dance sequences. Dances might be created, rehearsed and performed as part of festivals and celebrations. Learners could also perform traditional or popular dances.
Expressive Arts Dance EXA 2-08a EXA 2-10a	 Demonstrates coordination and some control in a range of dance actions and sequences. Creates, rehearses and performs a short original dance piece, comprising several sequences, to music or a rhythm. 	

Second Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy	 Compares costs and determines affordability within a given budget. Carries out money calculations involving the four exerctions 	When creating and presenting a [short] drama for an audience there are different elements of mathematics which could be linked into this process.
Money MNU 2-09a MNU 2-09c Time MNU 2-10a	 Calculates profit and loss accurately, for example, when working with a budget for an enterprise activity. Uses and interprets a range of electronic and paper-based timetables and calendars to plan events or activities and solve real life 	This might include using a calendar or timetable to plan towards key deadlines such as the final production or dress rehearsal. Timers could also be used to establish the length of the performance and time needed for preparation and rehearsals. Learners might be asked to work with a set budget for
Measurement MNU 2-11b	 Chooses the most appropriate measuring device for a given task and carries out the required calculation, recording results in the correct unit. Reads a variety of scales accurately. 	elements such as costumes, staging or props. They could be encouraged to compare costs across different retailers and suppliers to establish affordability. For some performances and presentations learners might compare costs of different theatre arts services such as lighting, , staging and sound hire.
Expressive Arts Participation in Performance and	Creates a short drama, as part of a group or individually, using improvisation or a published script.	If the drama is going to be ticketed learners could explore the concept of profit and loss, by working out ticket pricing, audience size and number of performances.
Presentations EXA 2-01a Drama	 Presents a short drama, as part of a group, using improvisation or a script. Uses theatre arts technology such as props, 	Learners could create props, costumes, pieces of staging and set for the performance/presentation using their measuring skills. This could include selecting and using measuring devices accurately.
EXA 2-12a EXA 2-14a	basic lighting and sound to enhance a performance effectively, for example, chooses appropriate music or makes sound effects to create atmosphere.	5 January 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Second Level	Benchmarks	Possib	le Contexts for Le	earning
Maths and Numeracy Fractions, Decimal Fractions and Percentages MNU 2-07a MTH 2-07c	 Uses knowledge of equivalent forms of common fractions, decimal fractions and percentages, for example, ³/₄ = 0.75 = 75%, to solve problems. Creates equivalent fractions and uses this knowledge to put a set of most commonly used fractions in order. 	When creating and pand/or pieces of must the musical notation in time with the beat between the beats a represent. Note Name	sic, learners are end . It is important that and understand the	couraged to follow learners can keep connection
	Performs songs in unison and in parts, individually or as part of a group, and	Semibreve	O	4 beats
	communicates the mood and character of songs from a range of styles and cultures, such as folk songs or songs from musicals,	Minim		2 beats
Expressive Arts Music	using appropriate performance directions, for example, gradually getting louder/quieter, and/or musical notation.	Crotchet	J	1 beat
EXA 2-16a EXA 2-17a EXA 2-18a	Performs on instruments, individually or as part of a group, to communicate the mood and character of a piece of music through, for	Quaver	J	$\frac{1}{2}$ of a beat
EAA 2-10d	example, the use of appropriate dynamics and expression.	Semiquaver	À	$\frac{1}{4}$ of a beat
	Uses voice, instruments and technology to create music, experimenting with timbre, for example, uses tuned/untuned percussion	Lesson Pack: Scien Video: How are Mat		
	instruments to create simple melodies and rhythms.	When creating musi musical notes can be correct duration of the	e grouped together	to create the



Contexts for Learning – Third and Fourth Level

The examples included in this section should be used as suggestions and it is important to adapt these to make them suitable for the learners that you are working with.

Third / Fourth Level		Benchmarks	Possible Contexts for Learning
	•	Chooses the best value for their personal situation and justifies choices.	When creating a plan to work systematically through the design brief, learners should consider key points in the process and ensure that they plan enough time to
Maths and Numeracy	•	Budgets effectively , using digital technology where appropriate, showing development of	complete these accordingly.
Money MNU 3-09a		financial capability.	When investigating a design brief, learners should consider how to gather views and opinions as part of
MNU 3-09b	•	Uses calculations to support comparisons, decisions and choices.	their research. They can be encouraged to think about what information they need to gather, when they need to gather this, who should be asked and the best way
Time MNU 4-10a	•	Demonstrates effective time management skills , for example, working with different time	to collect this data. This could be with regards to prototypes, options or samples of designs.
Data and Analysis MNU 3-20a		zones or making plans , including across midnight.	As data is gathered and analysed the results should be used to evaluate and inform the choices and decisions
MTH 3-20b MTH 3-21a	•	Sources information or collects data making use of digital technology where appropriate.	that learners make with regards to their design brief.
	•	Interprets data sourced or given.	Learners could also be given a set budget to work with, encouraging them to compare the costs of different materials and resources and consider the quantity of
	•	Collects data by choosing a representative sample to avoid bias.	materials that will be needed to create different samples and/or prototypes.
Expressive Arts	•	Researches, develops and communicates a solution to a design brief by working	Learners may also be given a target cost price, for example design a new board game which costs less
Art and Design		through a process.	than £5 to make. This encourages learners to consider
EXA 3-02a EXA 3-04a	•	Researches, develops and communicates	the different types of materials and resources which could be used and justify their choices.

EXA 3-06a EXA 4-03a	solutions to a design brief by working independently and systematically through a
EXA 4-06a	 Evaluates and makes informed judgements about what works well and what could be improved or different in their own and others' work, using appropriate art and design vocabulary consistently.
	Selects independently and applies media and techniques, giving reasons for their choices.

Third / Fourth Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy Mathematics – its impact on the world, past, present and future	 Contributes to discussions and presentations on the role of mathematics in everyday life and in the workplace. Investigates the mathematical skills required for a range of careers, including those in 	When evaluating and using different production arts such as lighting, props, staging and costume learners could be encouraged to consider the different mathematical skills used within these. This might include linking up with local industry partners
Expressive Arts Dance EXA 4-11a EXA 4-14b	 Evaluates technical aspects of their own and others' work, including professionals, for example, shows understanding of how stimulus is used as inspiration to create a movement repertoire, which can be repeated, varied or adapted. Applies theatre arts technology effectively, demonstrating understanding of how performance can be enhanced by, for example, lighting, costume, make-up and props; 	to explore how maths is used in technical theatre careers. Developing the Young Workforce Career Education Standards (3-18) Career Education Standard (3-18) September 2015 My World of Work Subject choices (Creative Arts) My World of Work Subject choices (Dance) My World of Work Subject choices (Dance) My World of Work STEM Ambassadors STEM Ambassadors Scotland STEM Ambassadors in Scotland

Third / Fourth Level	Benchmarks	Possible Contexts for Learning
Maths and Numeracy	Demonstrates understanding of best value in relation to contracts and services when comparing products.	When creating and presenting a drama for an audience there are different elements of mathematics which could be linked in to this.
Money MNU 3-09a MNU 3-09b	Budgets effectively, using digital technology where appropriate, showing development of financial capability.	This may include creating a production timetable to incorporate key deadlines such as the rehearsal period, dress rehearsals and final performances.
Time MNU 4-10a	Uses calculations to support comparisons, decisions and choices.	Learners could be asked to work with a set budget for elements such as costumes, staging or props. This would enable them to compare costs across different
Measurement MNU 3-11a MNU 4-11a	Demonstrates effective time management skills, for example, working with different time zones or making plans, including across midnight.	retailers and suppliers to justify best value. For some performances learners might compare costs of different theatre arts services such as lighting, staging and sound hire.
Angle, Symmetry and Transformation MTH 3-17c	Chooses appropriate units for length, area and volume when solving practical problems.	If the performance is going to be ticketed learners could consider the best ways to ensure maximised profits, by calculating the predicted spend and considering ticket pricing, audience size and number of performances.
	Uses bearings in a navigational context, including creating scale drawings.	Learners could create props, costumes, pieces of
Expressive Arts Participation in	Presents dramas to audiences for different purposes, for example, to entertain, inform, communicate a message, explore an issue.	staging and set for the performance/presentation using their measuring skills. This could include measuring accurately in the appropriate units.
Performance and Presentations EXA 3-01a EXA 4-01a	Creates dramas for different purposes and audiences, experimenting with different genres, forms, structures and styles.	A set design could also be created by the learners by measuring the size of the stage accurately and then recreating this as a scaled drawing.
	Reflects effectively on ideas, including ideas	

Drama EXA 3-14a EXA 4-13a EXA 4-14a EXA 4-14b	for using production skills in relation to, for example, lighting sound, props, make-up and hair, in order to improve or enhance a drama, using appropriate drama vocabulary.
EAA 4-140	Applies theatre arts technology and design resources effectively to an agreed concept to create and enhance mood and atmosphere, for example, through the use of sound, lighting, costume, props, stage make-up and hair.

Web Links

Expressive Arts Experiences and Outcomes https://education.gov.scot/Documents/expressive-arts-eo.doc

Expressive Arts Benchmarks https://education.gov.scot/nih/Documents/ExpressiveArtsBenchmarksWord.docx

Numeracy as a Responsibility for All https://education.gov.scot/Documents/numeracy-across-learning-eo.doc

Numeracy and Mathematics Experiences and Outcomes https://education.gov.scot/Documents/numeracy-maths-eo.doc

Numeracy and Mathematics Benchmarks https://education.gov.scot/nih/Documents/NumeracyMathematicsBenchmarks.docx

Developing the Young Workforce Career Education Standard (3-18) https://education.gov.scot/media/0nffvlwr/dyw2-career-education-standard-0915.pdf

With thanks to our partners for the external links:

BBC Teach, Maths Week Scotland, National Galleries of Scotland, The Royal Scottish Country Dance Society and The Scottish Book Trust.

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