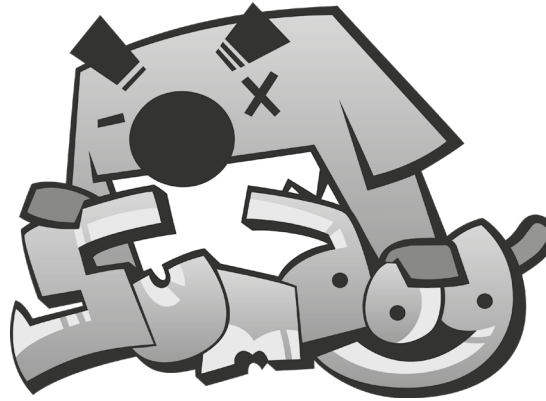


**FULLY ALIGNED TO THE
NEW V3.0 SCHEME!**



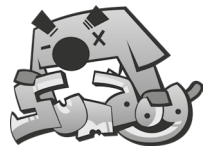
White Rose Maths on Sumdog

Scheme of Learning – Year 1



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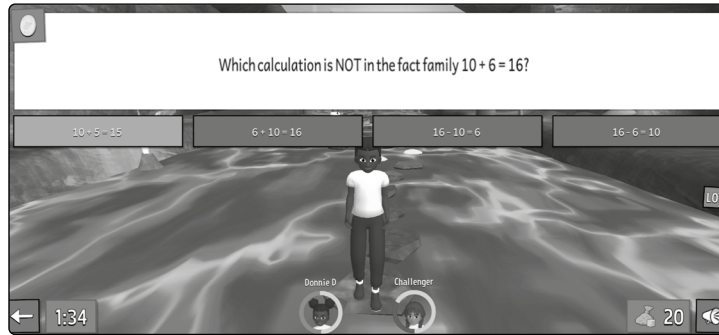
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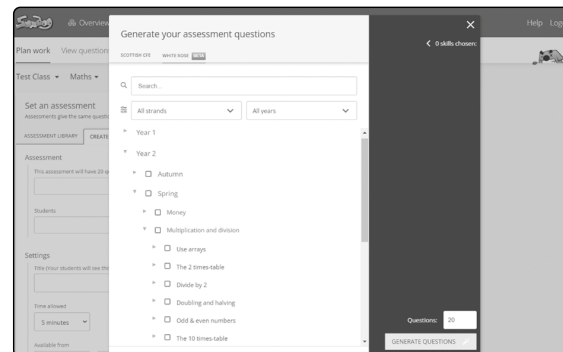
Introduction

Sumdog and White Rose Maths

Sumdog is an interactive maths and spelling platform for children aged between 5 and 14 years old that combines pupil engagement with quality question content and comprehensive curriculum alignment. Our huge bank of curriculum-aligned maths questions help children to build fluency through regular practice and teachers to diagnose, assess and identify areas for improvement. Questions can be answered in one of over 30 varied and exciting games or in a low-stakes test format, and answering questions earns children coins that can be used to upgrade their 3D avatars, houses and gardens.



Over the past year at Sumdog, we have developed, reviewed and released an entire curriculum of skills and question content aligned to the new White Rose Maths (WRM) Version 3.0 scheme, with the aim of helping you to set work on Sumdog that exactly matches your in-class teaching. These skills not only draw from our usual broad range of Sumdog questions, but also offer access to approximately 500 brand new question sets that have been designed specifically for WRM by teachers and educational consultants.



Our Scheme of Learning

This document has been created to help you set work on Sumdog to complement your use of WRM and to identify which of the WRM small steps are covered on Sumdog. To use this document, simply find the WRM small step that you are teaching, then check across for matching Sumdog skills to set work on. The WRM curriculum hierarchy is matched exactly by our skills chooser and wherever we have exactly matching skills, our skill name will match the WRM small step name.

For any small steps that we don't have directly aligned skills for (in **bold**), we've recommended suitable previous skills within the curriculum to provide opportunities for consolidation. In the final column, we've also highlighted the best times to use our ready-made WRM-aligned tests and Sumdog diagnostics, both to revise prior learning and identify areas for improvement when starting a new unit and to assess understanding at the end.

Term	Block	Small Step	Recommended Sumdog White Rose Maths Skill	Sumdog White Rose Maths Assessment Opportunity
Autumn	Addition and subtraction (within 10)	Number bonds to 10	Number bonds to 10	
		Addition - add together	Addition - add together	
		Addition - add more	Addition - add more	
		Addition problems	Addition problems	
		Find a part	Find a part	
		Subtraction - find a part	Subtraction - find a part	
		Fact families - the eight facts	Fact families - the eight facts	
		Subtraction - take away/cross out (How many left?)	Revision - Subtraction - find a part	
		Take away (How many left?)	Take away (How many left?)	
		Subtraction on a number line	Subtraction on a number line	
Add or subtract 1 or 2	Add or subtract 1 or 2	Year 1 - Addition and subtraction (within 10)		
Shape	Shape	Recognise and name 3-D shapes	Recognise and name 3-D shapes	
		Sort 3-D shapes	Sort 3-D shapes	
		Recognise and name 2-D shapes	Recognise and name 2-D shapes	
		Sort 2-D shapes	Sort 2-D shapes	Year 1 - End of term arithmetic (Autumn)
		Patterns with 2-D and 3-D shapes	Patterns with 2-D and 3-D shapes	Year 1 - Shape

Skills in bold indicate revision skills that have been suggested where a White Rose Maths small step has no directly equivalent skill on Sumdog.

White Rose Maths on Sumdog - Scheme of Learning



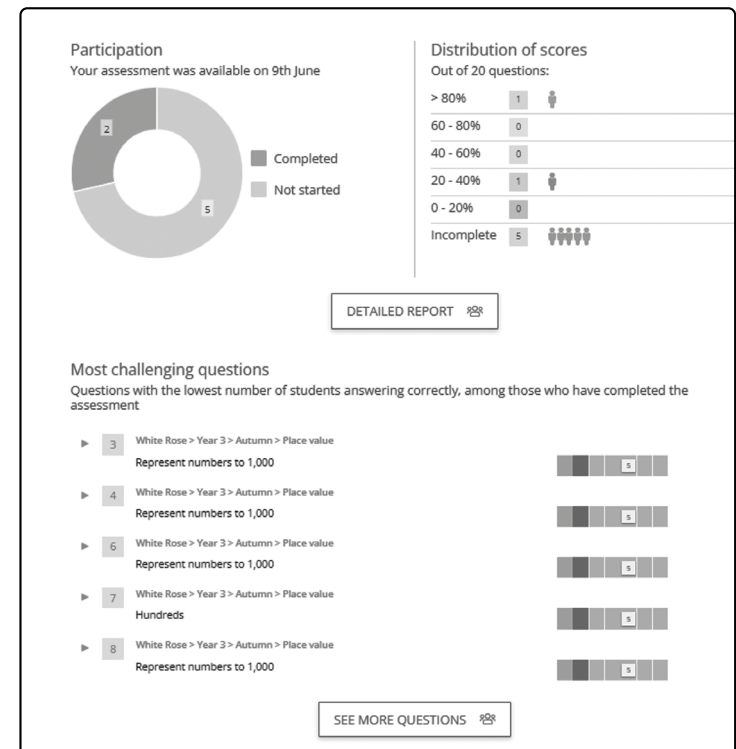
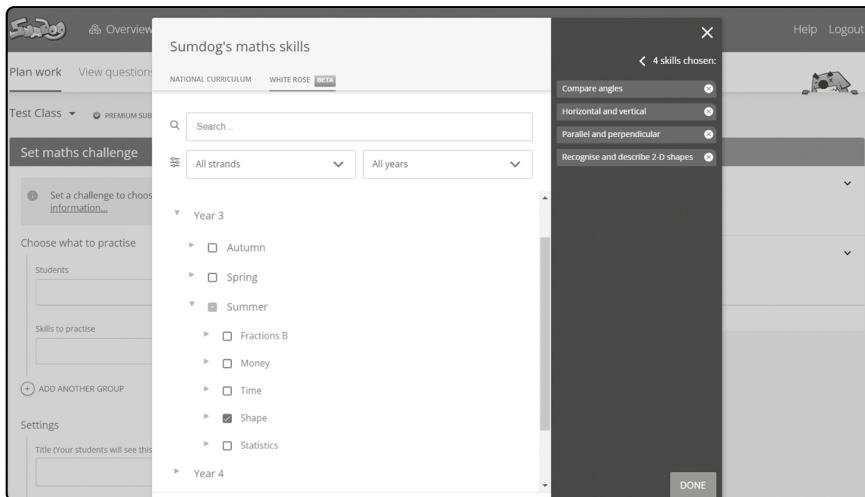
Use Case

Teacher A is a Year 3 teacher who is about to start teaching the 'Shape' block in the Summer term of Year 3. Using the Sumdog White Rose Maths scheme of learning document to set work on Sumdog to complement their teaching, they follow these simple steps:

1. As recommended by the document, they set the WRM-aligned test on Shape from the previous year, 'Year 2 - Shape', to prepare their pupils for upcoming learning.
2. Using Sumdog's enhanced assessment reporting, they then reveal any areas for improvement that need to be addressed before moving on to the more complex Year 3 content.
3. Once they have started teaching the first small step in the block, 'Turns and angles', they consolidate their in-class teaching by setting in-game practice on Sumdog question steps aligned to that exact small step, either in-class or as homework.

4. They then repeat step 3 for the first 3 small steps in the block - using White Rose Maths' teaching resources to introduce new learning, before using Sumdog challenges for practice and consolidation.
5. As the 4th small step in the block, 'Measure and draw accurately', is almost entirely practical in nature, there is no directly aligning skill on Sumdog. As recommended by this document however, Teacher A uses this time to set a Sumdog challenge covering the previous 3 small steps - providing a valuable opportunity for additional revision as in-class teaching moves swiftly on to the next small step.

6. Finally, at the end of the block, they use the corresponding Sumdog test, 'Year 3 - Shape', to assess learning across the block in a low-stakes, familiar environment. Once again, Sumdog's assessment report enables them to easily identify any remaining gaps in understanding so they can plan intervention as required.





Term	Block	Small Step	Recommended Sumdog White Rose Maths Skill	Sumdog White Rose Maths Assessment Opportunity
Autumn	Place value (within 10)	Sort objects	N/A	Year 1 Sumdog Diagnostic
		Count objects	Count objects	
		Count objects from a larger group	Count objects from a larger group	
		Represent objects	Represent objects	
		Recognise numbers as words	Recognise numbers as words	
		Count on from any number	Count on from any number	
		1 more	1 more	
		Count backwards within 10	Count backwards within 10	
		1 less	1 less	
		Compare groups by matching	Revision - Count objects from a larger group	
		Fewer, more, same	Fewer, more, same	
		Less than, greater than, equal to	Less than, greater than, equal to	
		Compare numbers	Compare numbers	
		Order objects and numbers	Order objects and numbers	
	The number line	The number line	Year 1 - Place value (within 10)	
	Addition and subtraction (within 10)	Introduce parts and wholes	Revision - Place value (within 10)	
		Part whole model	Part whole model	
		Write number sentences	Write number sentences	
		Fact families - addition facts	Fact families - addition facts	
		Number bonds within 10	Number bonds within 10	
Systematic number bonds within 10		Systematic number bonds within 10		

Skills in **bold** indicate revision skills that have been suggested where a White Rose Maths small step has no directly equivalent skill on Sumdog.



Term	Block	Small Step	Recommended Sumdog White Rose Maths Skill	Sumdog White Rose Maths Assessment Opportunity
Autumn	Addition and subtraction (within 10)	Number bonds to 10	Number bonds to 10	
		Addition - add together	Addition - add together	
		Addition - add more	Addition - add more	
		Addition problems	Addition problems	
		Find a part	Find a part	
		Subtraction - find a part	Subtraction - find a part	
		Fact families - the eight facts	Fact families - the eight facts	
		Subtraction - take away/cross out (How many left?)	Revision - Subtraction - find a part	
		Take away (How many left?)	Take away (How many left?)	
		Subtraction on a number line	Subtraction on a number line	
	Add or subtract 1 or 2	Add or subtract 1 or 2	Year 1 - Addition and subtraction (within 10)	
	Shape	Recognise and name 3-D shapes	Recognise and name 3-D shapes	
		Sort 3-D shapes	Sort 3-D shapes	
		Recognise and name 2-D shapes	Recognise and name 2-D shapes	
		Sort 2-D shapes	Sort 2-D shapes	
Patterns with 2-D and 3-D shapes		Patterns with 2-D and 3-D shapes	Year 1 - Shape	

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Term	Block	Small Step	Recommended Sumdog White Rose Maths Skill	Sumdog White Rose Maths Assessment Opportunity
Spring	Place value (within 20)	Count within 20	Count within 20	Year 1 Sumdog Diagnostic
		Understand 10	Revision - Count within 20	Year 1 - Place value (within 10)
		Understand 11, 12 and 13		
		Understand 14, 15 and 16		
		Understand 17, 18 and 19		
		Understand 20		
		Tens and ones	Tens and ones	
		1 more and 1 less	1 more and 1 less	
		The number line to 20	Revision - 1 more and 1 less	
		Use a number line to 20	Use a number line to 20	
		Estimate on a number line to 20	Estimate on a number line to 20	
		Compare numbers to 20	Compare numbers to 20	
	Order numbers to 20	Order numbers to 20	Year 1 - Place value (within 20)	
	Addition and subtraction (within 20)	Add by counting on within 20	Add by counting on within 20	Year 1 - Addition and subtraction (within 10)
		Add ones using number bonds	Add ones using number bonds	
		Find and make number bonds to 20	Find and make number bonds to 20	
		Doubles	Revision - Add by counting on within 20, Add ones using number bonds, Find and make number bonds to 20	
		Near doubles		
		Subtract ones using number bonds		
Subtraction - counting back		Subtraction - counting back		
Subtraction - finding the difference	Subtraction - finding the difference			

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Term	Block	Small Step	Recommended Sumdog White Rose Maths Skill	Sumdog White Rose Maths Assessment Opportunity	
Spring	Addition and subtraction (within 20)	Related facts	Related facts		
		Missing number problems	Missing number problems	Year 1 - Addition and subtraction (within 20)	
	Place value (within 50)	Count from 20 to 50	Count from 20 to 50	Revision - Count from 20 to 50	Year 1 - Place value (within 20)
		20, 30, 40 and 50			
		Count by making groups of tens	Count by making groups of tens		
		Groups of tens and ones	Groups of tens and ones		
		Partition into tens and ones	Partition into tens and ones		
		The number line to 50	Revision - Use a number line to 20, Estimate on a number line to 20		
		Estimate on a number line to 50			
	1 more, 1 less	1 more, 1 less	Year 1 - Place value (within 50)		
	Length and height	Compare lengths and heights	Compare lengths and heights		Year 1 - Length and height
		Measure length using objects	Measure length using objects		
		Measure length in centimetres	Measure length in centimetres		
	Mass and volume	Heavier and lighter	Heavier and lighter	Revision - Heavier and lighter	
		Measure mass			
		Compare mass			
		Full and empty	Full and empty	Revision - Fully and empty, Compare volume	
		Compare volume	Compare volume		
		Measure capacity			
		Compare capacity			
			Year 1 - End of term arithmetic (Spring)		
			Year 1 - Mass and volume		

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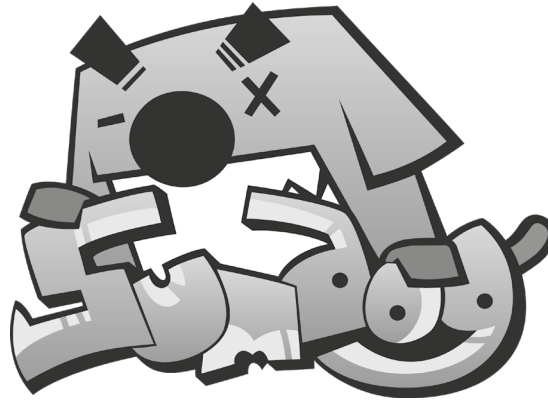
Term	Block	Small Step	Recommended Sumdog White Rose Maths Skill	Sumdog White Rose Maths Assessment Opportunity	
Summer	Multiplication and division	Count in 2s	Revision - Add and subtract 1 or 2	Year 1 Sumdog Diagnostic	
		Count in 10s	Count in 10s		
		Count in 5s	Revision - Count in 10s		
		Recognise equal groups			
		Add equal groups	Add equal groups		
		Make arrays	Make arrays		
		Make doubles	Make doubles		
		Make equal groups - grouping	Revision - Add equal groups, Make arrays, Make doubles		
		Make equal groups - sharing			
				Year 1 - Multiplication and division	
	Fractions	Recognise a half of an object or a shape	Recognise a half of an object or a shape	Revision - Recognise a half of an object or a shape	
		Find a half of an object or a shape			
		Recognise a half of a quantity			
		Find a half of a quantity	Find a half of a quantity		
		Recognise a quarter of an object or a shape	Recognise a quarter of an object or a shape		
		Find a quarter of an object or a shape	Revision - Recognise a quarter of an object or a shape		
		Recognise a quarter of a quantity			
		Find a quarter of a quantity			
				Year 1 - Fractions	
	Position and direction	Describe turns	Revision - 1 more, 1 less		
		Describe position - left and right	Describe position - left and right		
Describe position - forwards and backwards		Revision - Describe position - left and right			

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Term	Block	Small Step	Recommended Sumdog White Rose Maths Skill	Sumdog White Rose Maths Assessment Opportunity	
Summer	Position and direction	Describe position – above and below	Revision – Related facts		
		Ordinal numbers	Ordinal numbers	Year 1 – Position and direction	
	Place value (within 100)	Count from 50 to 100	Count from 50 to 100	Revision – Count from 50 to 100	Year 1 – Place value (within 50)
		Tens to 100	Tens to 100		
		Partition into tens and ones	Partition into tens and ones		
		The number line to 100			
		1 more, 1 less	1 more, 1 less		
		Compare numbers with the same number of tens	Revision – Partition into tens and ones		
		Compare any two numbers	Compare any two numbers		
	Money	Unitising	Revision – Compare any two numbers		
		Recognise coins	Recognise coins		
		Recognise notes	Recognise notes		
		Count in coins	Count in coins		Year 1 – Money
	Time	Before and after	Before and after		
		Days of the week	Days of the week		
		Months of the year	Months of the year		
		Hours, minutes and seconds	Hours, minutes and seconds		
		Tell the time to the hour	Tell the time to the hour		Year 1 – End of term arithmetic (Summer)
		Tell the time to the half hour	Tell the time to the half hour		Year 1 – Time

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Interested in trying our new fully aligned White Rose Maths scheme?

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