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		<u>Autumn 2 Year 3</u>	LEAD Acadomy Trus	
Resources	Links to p	ior learning/ objectives	Vocabulary: Lead • Empower • Achieve • Driv	
Base 10, place value counters, money	Autumn 1 a	ddition and subtraction	Add, plus, subtraction, minus, hundreds,	
(coins), 'shop' items, 2D and 3D shapes,	Autumn 1 p	erimeter of 2D shapes	tens, ones, digit, formal, column,	
clocks, stop watches, rulers,	Year 2 time	·	exchange, money, total, change, pounds,	
	place value w	<i>i</i> ith three-digit numbers.	pence, difference, missing number, solve,	
	~ mental stra	tegies for addition and subtraction with multiples	3D, 2D, model, shape, vertices, edges,	
	of 1, 10 and 1	100.	faces, sides, corners, straight, curved,	
	~ recognising	coins and finding totals of given amounts of	orientations, horizontal, vertical, parallel,	
	money.		perpendicular, seconds, minutes, hours,	
	~ Addition an	d subtraction strategies in year 2.	days, weeks, months, years, leap year,	
	~ Introductio	n to the different units of time- reading/ telling the	duration, compare	
	time.			
	~ Properties	of 2-D and 3-D shapes and their names.		
	Mastery:			
	(where to fi	nd some resources)		
	• Teac	hing for Mastery		
	● Whit	e Rose New and old documents		
	 Mast 	tery maths stickers		
	Nrich	n (curriculum mapping)		
		Objectives and Teaching		
Week 1		Add and subtract numbers with up to three dig	gits, using formal written methods of	
Barriers to ARE (misconceptions) Understanding of the place value of numbers.		columnar addition and subtraction.		
		 To develop the skill of adding 3 digit numbers using the column method 		
		 To understand exchanging when adding 	g using the column method	
numbers	aigit	 To develop the skill of subtracting 3 dig 	it numbers using the column method	
numbers Pasis addition and subtraction skills (number bonds		 To understand exchanging when subtra 	acting using the column method	
Basic addition and subtraction skills (number bonds		 To know how to solve problem involvin 	g addition and subtraction	
Powercal of digits when exchanging is not	200020			
Children might struggle to represent a th	Lessaly.			
Children might struggle to represent a th	ree-aigit			
number using manipulatives.				
Layout of the formal Written method- pla	ace value of			
Understanding of why exchanging is need	essary- can't			
have one than ten of any place value wit	hin pach			
have one than ten of any place value wit	IIII Eduli			



...E.A.D. Academy Trust Lead • Empower • Achieve • Drive

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487 + 468

325 + 259

401 +

column when adding/ need to exchange when there is not enough of a place value.



 The total of two hundred and forty seven and four hundred and two is...

Use column addition to work out:



458 + 231



What happens when we have 10 ones/tens? Can we exchange them for anything? Why? Where does the ten/hundred go? How does that help us?

306 + 283



The smallest number possible ٠

Autumn 2 Year 3









	Autumn 2 Vear 3		
Wook 4	Draw 2 D shapes and make 2D shapes using m	L.E.A.D. Academy Trus	
Week 4 Parriers to APE (missensentions)	different orientations and describe them	odening materials, recogiazenatida andrean bri	
Barriers to ARE (misconceptions)	different orientations and describe them.		
Recognition of basic snapes	• To know now to draw 2D shapes accura	ately using given measurements.	
Ability to describe and visualize a 2D and 3D shape	Io understand how to use knowledge of the second seco	of properties of shape to create 3-D shapes.	
Confusing parallel and perpendicular and assuming	To understand how to recognise 3D sha	apes in different orientations.	
parallel lines need to be equal length			
Recognising shapes in different orientations			
Unfamiliarity with vocabulary – use precise names of			
shapes etc and positional language			
Fluency	Problem Solving	Reasoning	
Draw a 2D shape with a pair of	Look through a	True or false?	
parallel lines. Did your friend	magazine/newspaper and identify	With an unlimited amount of	
draw the same or something	the shapes you see. Organise	straight sticks, you can make any	
different?	them into different groups. Do	2D or 3D shape.	
Use these shanes to create a	some shapes fit into more than		
repeating pattern. Leave a	one group? Why?	Explain why all the triangles need	
space where you have missed	Using Play-doh, ask children to	to be the same size for the net of	
out a shape – can your partner	make a 3D shape. Ask them to	pyramo.	
guess what the shape should	make a different one to their		
be?	partner. Write down the	True or false?	
	similarities and differences	You can cut out lots of equal	
	between them. Discuss what the	squares and make a 3D shape	
Label the angles in your shapes	properties are.	from them.	
– are they greater than or less			
than 90°			
Wook F	Identify berizontal and vertical lines and pairs	of persondicular and persollel lines	
Week 5	identity norizontal and vertical lines and pairs of perpendicular and parallel lines.		
Barners to ARE (misconceptions)	To understand the terminology nonzontal and vertical.		
	Io know how to identify vertical and horizontal lines		
	To understand the terminology perpendicular and parallel lines.		
	To know how to identify perpendicular and parallel lines.		
Fluency	Problem Solving	Reasoning	



Autumn	2 Year 3



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		LEAD Acadomy Trus
Cut up the cards below and play a matching game with a friend. When you get a pair you keep it. The player with the most pairs wins!	Dan is thinking of a month. He gives two dues to help his friends guess. 1. When I add the number of days in my month and the month before it equals 62 days.	True or False To check if a year is a leap year, I only need to check the number of days in one month.
1 hour 60 60 1 minute	 When I add the number of days in 	Explain your answer.
7 days 1 week 1 month about 4 weeks	my month and next month it equals 60. Which month is Dan thinking of?	 The months of February to May have fallen out of my calendar. Can you work out which calendar pages below match to which month?
na 1year 24 hours 1 day	Reban says 'When Ladd the number of	M T W T F S S M T W T F S S
 Fill in the missing numbers in the rhyme. 	days in 2 different months up, it always makes an odd number.'	5 6 7 8 9 10 11 3 4 5 6 7 8 9 12 13 14 15 16 17 18 17 18 19 20 21 22 23 19 20 21 22 23 24 25 24 25 26 27 28 29 30
days have September, April, June and November. All the rest have except for February alone. Which has each year and in a leap year. Can you use the picture below to tell me how many days are in each month?	Do you agree? Can you find a rule? Is there a pattern?	26 27 28 29 30 31 31 M T W T F S S M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 3 4 5 6 7 8 9 14 15 16 17 18 19 20 10 11 12 13 14 15 16 21 22 23 24 25 26 27 17 16 19 20 21 22 20 28 29 30 24 25 26 27 28 29 30
Week 7	Compare durations of events (e.g. calculate th	e time taken hy particular events or tasks)
Barriers to ARE (misconceptions)	To know how to compare the duration	of events
Fluency	Problem Solving	Reasoning
A TV programme starts at 5:20 and finishes at 6:05. How long does the programme last for?		

Kieran is learning his times tables. On Monday it takes him 1 minute and 12 seconds to complete 10 questions. By Friday he can complete 10 questions in 42 seconds. How much quicker is he by Friday?

Look at the two clocks below. How much time has passed between the first and the second



clock?

I am travelling from Hope Post Office and want to watch a film, which starts at 16:50.

Use the timetables below to plan your journey.

How many journeys could you use and which is best? How long are the

journeys you can take?

From the bus and train station, there

is a 6-minute walk to the cinema.

Maltings	14:20	15:27	16:20
Hope Post office	14:27	15:35	16:27
West Rainton	14:33	15:41	16:33
Wheatsheaf	14:45	16:00	16:42
Bus station	14:53	16:20	16:51

Maltings	14:30	15:37	16:17
Hope Post office	14:37	15:42	16:19
West Rainton	14:43	15-51	16:24
Wheatsheaf	14:47	16:00	16:28
Train station	14:53	16:15	16:35

Three activities last 55 minutes. I skip for the least amount of time, I run around the playground for double the amount of time I skip and I play football for the longest amount of time.

How long can I spend, doing each activity?



