KS4 Maths

<u>Measure- Time</u>

Subject curriculum intent:	We want our pupils to be able to develop functional time skills so that they can be as independent as possible in their adulthood. Depending on the cognitive ability of the pupil, our intention is that pupils are able to manage their own time, whether this be by being able to organise and follow their own schedules (keeping them motivated and engaged throughout the day) or for them to be able to plan and attend social events out in the community. We want our pupils to					
	to <u>use time skills</u> includir 2. can solve problems by ap contexts and to model red	ndamentals of mathematics so that they are efficien ig mental methods, underpinned by mathematical con plying their mathematics to a variety of problems wi Il-life scenarios y by following a line of enquiry and develop and pres	cepts th increasing sophistication, including in unfamiliar			
	 In all math lessons, teachers plan engaging lessons with the aim that pupils: master skills in maths which they are then able to apply to a range of contexts within the school and home context embed their new skills and understanding to a range of contexts; thus supporting application and progress in learning acquire core mathematical skills to support their independence as they progress through the school are able to apply their understanding; supporting them in other areas of the curriculum 					
End of KS3	intent/outcome	End of KS4 intent/outcome	End of KS5 intent/outcome			
understandi and seasons confident wl will link fami the day. Stu	Il be confident when ng days of the week and months of the year. Students will be nen ordering daily routines and iliar activities to suitable times in dents begin to experience using cks to read and make times.	analogue and digital times by sight. Students will also begin to develop time management skills and	Students will continue to develop their time management skills and link time management to real life situations. Students will be able to independently read and make times in analogue and digital format as well as recognising 12 hour clock and 24 hour clock times, linking these times to familiar events throughout the day.			
Intent for this topic:	This half term, pupils will build on point, students will order familiar of the day. Students will be able by sight and they will be able to u	their understanding and prior knowledge of time fro activities that form part of their daily routines and to read and make analogue and digital times. Student se clocks to make a given time. Students in KS4 will ations, such as work related learning activities and re	om key stage 3. Starting from their last learning will match routines and activities to suitable times s will be able to recognise the times shown on clocks begin to develop time management skills and will			

Key vocabulary taught within this	Order, then, next, now, after, before, clock, time, analogue, digital, hour, minutes, seconds, o'clock, quarter past, quarter to, half past, clockwise, anti-clockwise.
topic: Links to other subjects:	-Science- Weather & Seasons -PSHCE- Daily routines -Life skills
RRSA	Article 28- I have the right to an education.

Suggested flow:

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This flow is to be used as a guide. Teachers to adapt the flow to meet the needs and abilities of students within their class.

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Pre-assessment. What knowledge and skills do pupils already have?	Matching daily routines to times in the day. Ordering daily routines. Naming and ordering days/ months of the year. Ordering seasons.	Analogue time- knowing o'clock and half past and 15 minute intervals times.	Analogue time- knowing time in 5 minute intervals	Digital time- reading and making digital times.	Adding and subtracting time E.g., What is 50 minutes after 12 o'clock?
		Using and applying fractions (half & quarter) knowledge and 5 times tables knowledge.	Using and applying fractions 5 times tables knowledge.	Using and applying 5 times tables.	Using and applying 5 times tables. Problem solving.

	<u>B2 P 5</u>	<u>B2 P 6-8</u>	<u>B2 step 1c-1b</u>	B2Step 1b-2c	<u>B2Step 2c-2a</u>	<u>B2Step 2a-3a</u>
<u>Subject specific</u>	To know the word	To know key words:	<u>To know</u> the names of	<u>To know</u> key words:	<u>To know</u> the	
knowledge	'wait'.	before, after next,	all days of the week	'hour, minute and	number of minutes	To know and use
What do pupils		today, yesterday,		second'.	in an hour and	vocabulary:
need to know?	To know the order	tomorrow, morning,	<u>To know</u> Mon-Friday		hours in a day	AM, PM, morning,
	of morning and	afternoon and evening	are week days	<u>To know</u> clocks /		after noon and
	night.			watches tell the time		night

<u>To know</u> which of the above key words links to past, present or future events.		
To knowSaturday-Sunday and weekend datesTo knowclocks have two 'hands' and know which represent minutes and hoursNote: going from vocabulary/language they are used to in the UKTo know the minute hand on '12' = o'clockTo knowall seasonsTo knowTo knowall months in the correct order	To know which of the above key words links to past, present or future events.Sunday and weekend datesTo know clocks have two 'hands' and know which represent minutes and hoursNote: going from vocabulary/language they are used to in the UKTo know the minute hand on '12' = o'clockTo know the minute hand on '6' = half past	To know which of the above key words links to past, present or future events.Sunday and weekend datesTo know clocks have two 'hands' and know which represent minutes and hoursNote: going from vocabulary/language they are used to in the UKTo know the minute hand on '12' = o'clockTo know all seasonsTo know all months in
dates Note: going from vocabulary/language they are used to in the UK <u>To know</u> all seasons <u>To know</u> all months in	To know which of the above key words links to past, present or future events.Sunday and weekend datesNote: going from vocabulary/language they are used to in the UKNote: going from vocabulary/language they are used to in the UK	To know which of the above key words links to past, present or future events.Sunday and weekend datesNote: going from vocabulary/language they are used to in the UKNote: going from vocabulary/language they are used to in the UKTo know all seasons To know all months in
	above key words links to past, present or	above key words links to past, present or

		and activities using	Is beginning to/able		Is able to read	<u>Is able to compare</u>
		'quicker, slower,	to name months and		and write the	durations of
		earlier' vocabulary	seasons of the year in		times for quarter	events
			the correct order.		to (including	
					drawings hands on	<u>Is able to</u> connect
			<u>Is beginning to / able</u>		a clock)	analogue times to
			to link seasons to			the digital time
			weather and month to			
			seasons		<u>Is able to</u> read	
					and write the	
					times for quarter	
					to and quarter	
					past (including	
					drawings hands on	
					a clock)	
					Is able to tell and	
					write the time to	
					5 minute intervals	
					(including drawing	
					hands on a clock)	
					hands on a clocky	
Suggested	-Playing turn taking	-Ordering key scenes	-Days of the week	-Use of physical clocks	to read the reading	Analogue to digital
<u>teaching</u>	games	or symbols for	song	of analogue clocks.		flash cards
<u>activities</u>	-Role play activities	different activities in	-Classroom displays -	-Ensure pupils are being	-	-Practicing 5
	or dress up for	the day e.g. wake up,	going through days of	is at specific points in ·	•	times tables and
How should	morning and night	wash face, brush	the week each	depending on what skill	they are developing	labelling on an
I teach	-Sorting activity	teeth	morning	(o'clock, half past etc)		analogue clock
this?	cards into morning	-Role play activities in		-Give pupils jobs they r		-Problem solving,
	and night	correct order.	-Season trays	specific times of the d		adding times
		-P.E link - quicker and	-Dress up for the	to read themselves to 1		together inc.
		slower	weather – role play	-Referring to the times	s and clocks when	knowing when to
		-Outside games -	-Daily timetable	cooking		take something
		quicker and slower	display - what month			out of the oven
			is it?			-Reading digital
			-Matching month			bus times
			cards to season			-P.E lessons when
			displays			exercising

	-Month songs	
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