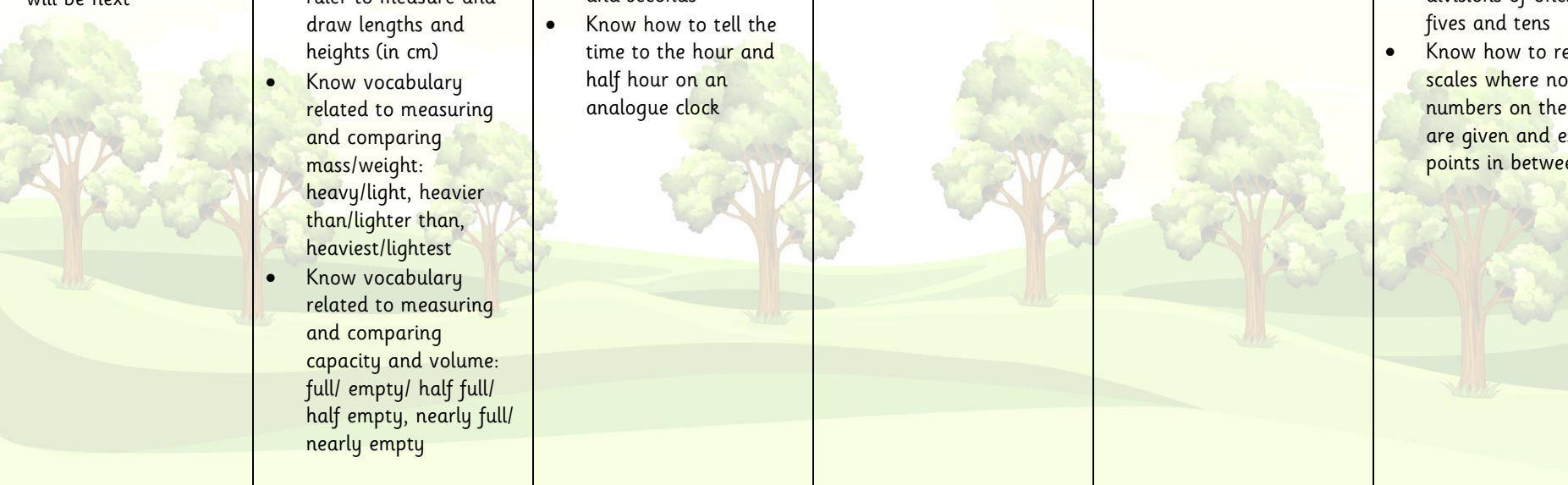
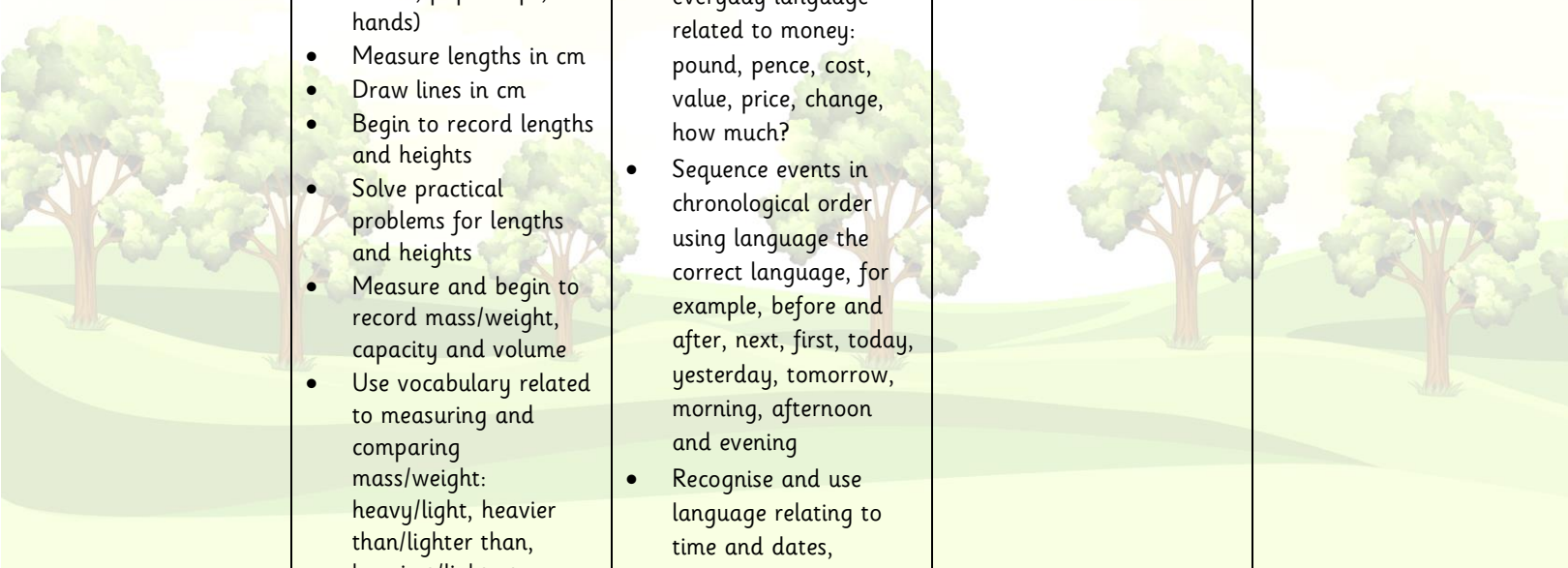


MATHS TREES OF KNOWLEDGE AND SKILLS PROGRESSION
KS1– MEASUREMENT – LENGTH, HEIGHT, MASS, VOLUME, CAPACITY, TEMPERATURE, TIME, MONEY

	Year 1			Year 2		
	Autumn Term	Spring Term	Summer Term	Autumn Term	Spring Term	Summer Term
Knowledge 	<ul style="list-style-type: none"> Know the days of the week, in order Know what day it was yesterday and what day it will be tomorrow Know the order of the months of the year Know what month it is now, what last month was and what month it will be next 	<ul style="list-style-type: none"> Know vocabulary related to measuring and comparing lengths: long/longer/longest, short/shorter/shortest Know vocabulary related to measuring and comparing heights: tall/taller/tallest, short/shorter/shortest Know how to use a ruler to measure and draw lengths and heights (in cm) Know vocabulary related to measuring and comparing mass/weight: heavy/light, heavier than/lighter than, heaviest/lightest Know vocabulary related to measuring and comparing capacity and volume: full/ empty/ half full/ half empty, nearly full/ nearly empty 	<ul style="list-style-type: none"> Know the value of different denominations of coins and notes Know vocabulary related to time: before and after, next, first, earlier, later, today, yesterday, tomorrow, morning, afternoon, evening, o'clock, half past, hours, minutes and seconds Know how to tell the time to the hour and half hour on an analogue clock 	<ul style="list-style-type: none"> Revisit knowledge of length, height, mass, volume, capacity, time and money through Flashback 4s 	<ul style="list-style-type: none"> Know how to measure temperature using a thermometer (in °C) Revisit knowledge of length, height, mass, volume, capacity, time and money through Flashback 4s 	<ul style="list-style-type: none"> Know the units of measure used to for: length/height (m/cm), mass (kg/g), temperature (°C), and capacity (litres/ml) Know how to read scales on rulers, weighing scales, thermometers and measuring vessels in divisions of ones, twos, fives and tens Know how to read scales where not all numbers on the scale are given and estimate points in between

<p>Skills</p> 	<ul style="list-style-type: none"> • Re-call and sequence days of the week and months of the year • Explore measurement - length, height, weight, mass, capacity, temperature and time, through play and everyday experiences, including exploring in the outdoors and in nature 	<ul style="list-style-type: none"> • Compare and order lengths of 2 and then 3 objects • Compare and order heights of 2 and then 3 objects • Use vocabulary related to measuring lengths – long/longer/longest, short/shorter/shortest • Use vocabulary related to measuring heights – tall/taller/tallest, short/shorter/shortest • Measure lengths using non-standard measures (cubes, paper clips, hands) • Measure lengths in cm • Draw lines in cm • Begin to record lengths and heights • Solve practical problems for lengths and heights • Measure and begin to record mass/weight, capacity and volume • Use vocabulary related to measuring and comparing mass/weight: heavy/light, heavier than/lighter than, heaviest/lightest • Use vocabulary related to measuring and 	<ul style="list-style-type: none"> • Recognise and say the value of different denominations of coins and notes • Count in coins – 1p, 2p, 5p, 10p • Use different coins to make the same amount • Explore money through role play activities – finding totals for 2 or more items, finding change, etc. • Solve real life problems, using everyday language related to money: pound, pence, cost, value, price, change, how much? • Sequence events in chronological order using language the correct language, for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening • Recognise and use language relating to time and dates, including days of the week, weeks, months and years 	<ul style="list-style-type: none"> • Solve real life problems related to measures, using the four operations 	<ul style="list-style-type: none"> • Use a thermometer to measure temperature in °C to the nearest unit • Solve real life problems related to measures, using the four operations 	<ul style="list-style-type: none"> • Read different scales (see below): • Use rulers to practically measure lengths and heights in cm and m to the nearest appropriate unit • Use scales practically measure mass in kg and g to the nearest appropriate unit • Use a range of measuring vessels to practically measure capacity in l and ml to the nearest appropriate unit • Use a thermometer to measure temperature in °C to the nearest unit • Choose and use appropriate standard units to measure: length/height in any direction (m, cm), mass (kg/g), temperature (°C), and capacity (litres/ml) to the nearest appropriate unit • Compare and order lengths, height, mass, volume/capacity and record the results using >, < and =
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		<p>comparing capacity and volume: full/ empty/ half full/ half empty, nearly full/ nearly empty</p> <ul style="list-style-type: none"> • Solve practical problems for mass/weight • Solve practical problems for capacity and volume 	<ul style="list-style-type: none"> • Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times • Compare, describe and solve practical problems for time, for example, quicker, slower, earlier, later • Measure and begin to record time (hours, minutes, and seconds) 			<ul style="list-style-type: none"> • Solve real life problems related to measures, using the four operations
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