

Let's Use a Ruler!: Maths : Year 2 : Autumn Term

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To compare lengths using appropriate vocabulary.	Children begin exploring length by comparing lengths and thinking about the vocabulary they're using when describing different lengths. They become familiar with the lengths of 1m and 30cm by using these to compare other lengths to.	<ul style="list-style-type: none"> • Can children compare two objects to describe them as longer/shorter? • Are children familiar with the length of 1m? • Are children able to make reasonable estimates when choosing objects which are longer/shorter than 1m? 	<ul style="list-style-type: none"> • Slides • Worksheets 1A/1B/1C • 30cm rulers • Metre rulers • Photo Sheet • Metre Monster Template 1A/1B (FSD? Activity only) • Materials to decorate (FSD? Activity only)
Lesson 2	To measure and draw lines using a ruler.	Children are taught how to use a ruler to measure lines accurately. They think about the advice they would give to others when using a ruler to measure. More able children are also challenged to use this understanding to draw lines of a specified length and measure curved lines using string.	<ul style="list-style-type: none"> • Can children explain how to use a ruler to measure? • Are children able to use a ruler to measure a line with reasonable accuracy? • Can children use a ruler to draw a measured line with reasonable accuracy? 	<ul style="list-style-type: none"> • Slides • Worksheet 2A/2B/2C • String • 30cm rulers • Photo Sheet • Game Cards (FSD? Activity only)
Lesson 3	To measure to the nearest unit of measure.	Using their learning from the previous lesson the children are presented with the problem of objects not lining up with cm markers exactly. They must observe which marker the length is closest to and measure their object to the nearest cm. They can apply this to measuring classroom objects or begin to use metres to measure the distance they can jump.	<ul style="list-style-type: none"> • Can children measure accurately using a ruler? • Can children measure to the nearest cm using a ruler? • Are children able to measure an object larger than the ruler they are using? 	<ul style="list-style-type: none"> • Slides • Number Cards 3A • Worksheets 3A/3B/3C • 30cm ruler (without inches and mm) • Photo Sheet • Worksheet 3D (FSD? activity only) • Metre rulers (FSD? activity only) • Chalk (FSD? activity only)
Lesson 4	To compare lengths using <, > or =.	Children recap on the meanings of <, > and = symbols before beginning to use them to compare the lengths of different objects. They must measure, compare and find different classroom objects to complete comparison sentences with more able children using their measurements, rather than observational comparison, to construct their comparison sentences.	<ul style="list-style-type: none"> • Can children estimate and measure the length of different objects? • Can children identify each of the <, > and = symbols and their meanings? • Are children able to accurately use the <, > and = in a comparison sentence? 	<ul style="list-style-type: none"> • Slides • 1 to 20 flash cards • Symbol Cards 4A • Worksheets 4A/4B • 30cm rulers • Photo Sheet • Metre rulers (FSD? activity only) • Large paper (optional) (FSD? activity only)
Lesson 5	To choose appropriate equipment to measure with.	Children explore the different pieces of equipment that can be used to measure length, height and distance. They begin to think about which pieces of equipment are more suited to measuring different objects and use their reasoning to explain their choices when measuring.	<ul style="list-style-type: none"> • Can children measure lengths using different equipment? • Are children able to select appropriate equipment when measuring different objects? • Can children explain their choice of equipment when measuring different objects? 	<ul style="list-style-type: none"> • Slides • 30cm rulers, 1m rulers, tape measures, trundle wheels • Worksheets 5A/5B • Challenge Card 5A • Clipboards • Photo Sheet • Game Board 5A (FSD? activity only) • Game Cards 5A (FSD? activity only)