

Recording Length: Maths: Year 4: Autumn Term

| | Learning Objective | Overview | Assessment Questions | Resources |
|-----------------|---|---|--|--|
| Lesson 1 | To know how to estimate, measure and record length accurately | Children will discuss what length is and how it is measured. They will learn what each single unit of measurement looks like, and understand what an estimate is. Children will recap on how to measure accurately using a ruler, and know how to use decimal notation when recording lengths. In their independent activities, they will estimate, measure and record various lengths. | <ul style="list-style-type: none"> Do children know what length is? Can children estimate length appropriately? Can children use a ruler to measure accurately in cm and mm? | <ul style="list-style-type: none"> Slides Worksheet 1A/B/C Rulers/tape measures/metre sticks String/wool Reading a Ruler Help Sheet Measurement Hunt Activity Sheet A/B (FSD? activity only) |
| Lesson 2 | To know how to convert measurements to different units | Children will learn about the relationships between the different units of measurement. They will learn how to use their multiplication facts to convert from a larger unit of measurement to a smaller one, and their division facts to convert from a smaller unit of measurement to a larger one. Children will revisit their knowledge and understanding of place value in order to record measurements in decimal form where needed. | <ul style="list-style-type: none"> Do children understand the terms 'convert' and 'conversion'? Can children convert from a larger unit of measurement to a smaller unit of measurement using their multiplication knowledge? Can children convert from a smaller unit of measurement to a larger unit of measurement using their division knowledge? | <ul style="list-style-type: none"> Slides Worksheet 2A/B/C Conversion Help Card Follow Me Set A/B/C (FSD? activity only) |
| Lesson 3 | To know how to compare and order measurements of length | Children will recap on their understanding of the relationship facts between the different units of length. They will then use this knowledge to compare and order lengths that are recorded in different units. | <ul style="list-style-type: none"> Can children recall the relationships between the different units of measurement? Can children apply their knowledge and understanding of converting lengths to different units of measurement? Can children order and compare different lengths accurately? | <ul style="list-style-type: none"> Slides Worksheet 3A/B/C Frog Top Trumps (FSD? activity only) |
| Lesson 4 | To know how to solve problems involving length | Children will use their knowledge and understanding of how to convert between different units in order to solve one- and two-step addition and subtraction problems involving length. | <ul style="list-style-type: none"> Can children solve word problems involving length? Can children convert different units of measurement in order to solve word problems? Can children explain their reasoning? | <ul style="list-style-type: none"> Slides Question Cards A/B/C Answer Cards A/B/C Frog Fact File (FSD? activity only) Frog Problems A/B (FSD? activity only) |
| Lesson 5 | To apply your knowledge and understanding of length | Children will revise what they have learnt over the last few lessons, before applying this knowledge to one of the independent activities. Children will either work in pairs to estimate, measure, record, convert and order measurements, or they will work as a group to conduct a length investigation. | <ul style="list-style-type: none"> Can children estimate different lengths appropriately? Can children accurately measure and record different lengths? Can children compare different lengths? | <ul style="list-style-type: none"> Slides Metric Me worksheet A/B/C Rulers/tape measures/metre sticks Investigation Cards (FSD? activity only) Investigation Sheet (FSD? activity only) |