

# Measuring Weight : Maths : Year 4 : Spring Term

	Learning Objective	Overview	Assessment Questions	Resources
<b>Lesson 1</b>	To be able to choose and use standard metric units and their abbreviations when estimating.	Children will explore the relationship between grams and kilograms, and learn the abbreviations for these units of measurement. They will identify which objects around them would be best suited to being weighed in grams and which to kilograms before estimating and weighing objects using the appropriate unit of measurement.	<ul style="list-style-type: none"> <li>• Can children make an appropriate estimate?</li> <li>• Can children measure in grams accurately?</li> <li>• Can children measure in kilograms and grams accurately?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 1A/1B/1C</li> <li>• Appropriate weighing scales and objects to weigh</li> </ul>
<b>Lesson 2</b>	To be able to choose and use standard metric units and their abbreviations when estimating, measuring and recording weight.	Children will explore different ways of expressing the same weight, namely in grams, kilograms (decimals) and kilograms and grams. They will order weights and use correct abbreviations for grams and kilograms.	<ul style="list-style-type: none"> <li>• Can the children convert grams to kilograms?</li> <li>• Can they use the correct abbreviations for kilograms and grams?</li> <li>• Can they express the weight using a decimal point?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 2A/2B/2C</li> <li>• Challenge Cards (FSD? activity only)</li> <li>• Weighing scales</li> </ul>
<b>Lesson 3</b>	To be able to add and subtract weights, including decimals.	Children will explore different strategies for adding and subtracting weights, including kilogram weights with one decimal place, and two weights expressed in different units of measurement (necessitating the conversion of grams to kilograms and vice versa).	<ul style="list-style-type: none"> <li>• Can children convert weights from kilograms to grams and vice versa?</li> <li>• Can children add weights together?</li> <li>• Can children find the difference between two weights?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 3A/3B/3C</li> <li>• Animal Weights sheet</li> <li>• Animal Cards (FSD? activity only)</li> <li>• Question Cards (FSD? activity only)</li> </ul>
<b>Lesson 4</b>	To be able to solve problems involving weight.	Children will use a variety of operations to solve word problems relating to weight. They will need to identify what operation is needed and which unit of measurement the answer should be expressed in.	<ul style="list-style-type: none"> <li>• Can children use the correct operations to solve the problems?</li> <li>• Can children solve problems and express the answer using the correct unit of measurement?</li> <li>• Can children check their answers for accuracy?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 4A/4B/4C</li> <li>• Parcel Cards A/B (FSD? activity only)</li> <li>• Variety of boxes and objects to fill them (FSD? activity only)</li> <li>• Parcel paper (FSD? activity only)</li> </ul>
<b>Lesson 5</b>	To find out some fascinating facts about weight and find objects of equivalent weights.	Children will find out facts about record-breaking weights and use these to solve a variety of problems. They can also find objects that weigh the same amount as a given object, using measuring scales and recording results accurately.	<ul style="list-style-type: none"> <li>• Can children find out facts about world records involving weight?</li> <li>• Can children use weighing scales appropriately?</li> <li>• Can children record weight appropriately using an appropriate unit of measurement?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 5A/5B</li> <li>• Objects to weigh</li> <li>• Variety of weighing scales, including bathroom scales</li> <li>• Access to internet</li> <li>• Poster Template sheet (FSD? activity only)</li> </ul>