

# Moving Dinosaurs : DT : Year 1/2

	Learning Objective	Overview	Assessment Questions	Resources
<b>Lesson 1</b>	To be able to create a sliding mechanism	In this first lesson, children will find out what a sliding mechanism is, and how it can be used to make a simple moving picture. They will then explore the sliding mechanism themselves in their independent activities, making a variety of simple moving pictures with different dinosaurs using the resources provided.	<ul style="list-style-type: none"> <li>Can children explain how a sliding mechanism works?</li> <li>Can children make their own moving pictures using a sliding mechanism?</li> <li>Can children evaluate the sliding mechanisms they have made, and identify areas where they could be improved?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Background Scenes 1A/1B</li> <li>Dinosaur Pictures 1A/1B</li> <li>Strips of different lengths of card</li> <li>Scissors, glue/tape, rulers</li> <li>Challenge Pack A/B/C (FSD? activity only)</li> </ul>
<b>Lesson 2</b>	To be able to use levers and pivots to create a moving mechanism	Children are first shown a moving picture with a lever and pivot mechanism, and asked to explain how they think it works. They will then explore and discuss how it has been made, looking at how to hide the lever at the back of a picture too. Children then use the resources provided to create moving pictures of dinosaurs using the lever and pivot mechanism.	<ul style="list-style-type: none"> <li>Do children understand the terms 'lever' and 'pivot'?</li> <li>Can children combine and join materials to make their own lever and pivot mechanisms?</li> <li>Can children explain how their lever and pivot mechanism works?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Background Scenes 2A/2B/2C</li> <li>Dinosaur Pictures 2B</li> <li>Strips of different lengths of card</li> <li>Scissors, glue, split-pins, hole, sticky-tack, sharp pencil</li> <li>Moving Parts Dinosaurs (FSD? activity only)</li> </ul>
<b>Lesson 3</b>	To be able to create a wheel mechanism	Children are shown a third way in which to make a moving picture by creating a wheel mechanism. They will be encouraged to discuss how it works as a class before having the chance to practise making their own moving dinosaur pictures using the wheel mechanism using the resources provided.	<ul style="list-style-type: none"> <li>Can children describe what a pivot is?</li> <li>Can children cut out and join components to create a wheel mechanism?</li> <li>Can children evaluate their work and identify areas for future development?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Dinosaur Wheel Mechanism 3A/3B/3C</li> <li>Scissors, sticky tack, paper fasteners, beads</li> <li>Tyrannosaurus Rex Cycle Poster (FSD? activity only)</li> <li>Tyrannosaurus Rex Wheel Mechanism A/B (FSD? activity)</li> <li>Tyrannosaurus Rex Instructions Card (FSD? activity only)</li> </ul>
<b>Lesson 4</b>	To design a picture with a moving mechanism	In this lesson children will apply what they have learnt about the three different types of moving mechanisms to design their own moving dinosaur picture for an author who is creating a children's book about dinosaurs.	<ul style="list-style-type: none"> <li>Can children design their own moving picture?</li> <li>Can children choose a suitable moving mechanism for their design?</li> <li>Can children explain how the mechanism will make their picture move?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Design Sheet 4A/4B/4C</li> <li>Tom's Sentences (FSD? activity only)</li> <li>Sentence &amp; Picture Design Sheet (FSD? activity only)</li> </ul>
<b>Lesson 5</b>	To make a dinosaur-themed moving picture	Children will be encouraged to think carefully about the mechanism they are going to make, the equipment they will need, and their order of work, before beginning to create their moving picture based on their design from the previous lesson.	<ul style="list-style-type: none"> <li>Can children follow a design to create a picture with a moving mechanism?</li> <li>Can children work safely with a variety of tools and materials to create a moving mechanism?</li> <li>Can children identify ways in which they can improve their finished products?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Design Sheets from the previous lesson</li> <li>Card, scissors, rulers, glue, paper fasteners, tape, sticky-tack, coloured pencils</li> <li>Dinosaur Pictures (optional)</li> <li>Blank Wheel Mechanisms (optional)</li> </ul>
<b>Lesson 6</b>	To evaluate a moving dinosaur picture	In this final lesson, children will evaluate their completed moving dinosaur picture. After beginning to discuss some evaluative questions with a partner and the class, children will then continue this self-assessment in their independent activities.	<ul style="list-style-type: none"> <li>Do children understand what it means to evaluate?</li> <li>Can children evaluate their own moving picture?</li> <li>Can children identify ways to improve their moving picture?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Completed moving dinosaur pictures from previous lesson</li> <li>Evaluation Worksheet 6A/6B/C</li> <li>Evaluation Question Cards (FSD? activity only)</li> </ul>