

Vehicles : DT : Year 2

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To investigate a variety of vehicles and their uses and features.	Children to explore and discuss a variety of different vehicles, their features and what they are used for. They will choose their favourite vehicle to compare, draw and label.	<ul style="list-style-type: none"> • Can children identify a variety of different types of vehicles? • Can children identify the main features of a variety of vehicles? • Can children identify the uses for a variety of vehicles? 	<ul style="list-style-type: none"> • Slides • Worksheet 1A/1B/1C • Picture Cards • Domino Cards (FSD? activity only) • Sticky notes (FSD? activity only)
Lesson 2	To investigate wheels, axles and chassis.	Children to understand how different parts of a vehicles help to make them work. They will practise attaching wheels to axles and chassis.	<ul style="list-style-type: none"> • Do children know what wheels, axles and chassis are? • Do children know that there are two different ways of attaching wheels to axles? • Can children experiment with a range of materials and techniques to combine wheels, axles and chassis? 	<ul style="list-style-type: none"> • Slides • Challenge Sheet • Worksheet 2A/2B • Wheels and axles (and/or materials that can be used as such) • Card and cardboard boxes
Lesson 3	To be able to investigate ways of creating and decorating the body of a vehicle.	Children to explore and discuss the different ways of creating the vehicle's body. They will use a variety of different boxes and modelling equipment to explore different ways of creating the bodies of vehicles.	<ul style="list-style-type: none"> • Can children choose materials to use as the body of a vehicle? • Can children identify different ways of combining materials to create the body of a vehicle? • Can children identify different ways of decorating the body of a vehicle including ICT? 	<ul style="list-style-type: none"> • Slides • Worksheet 3A/3B • Variety of materials, e.g. cardboard boxes, cartons, plastic bottles, card, etc. • Variety of tools, e.g. scissors, glue, masking tape, etc. • Access to computers (FSD? activity only)
Lesson 4	To be able to design a vehicle.	Children to design their own vehicle using the techniques previously explored, as well as following the success criteria.	<ul style="list-style-type: none"> • Can children design a vehicle to include wheels, axles, chassis and bodies? • Can children describe which materials and tools they will need to make their vehicles? • Can children discuss their designs and say what they think and feel about them? 	<ul style="list-style-type: none"> • Slides • Worksheet 4A/4B/4C • Picture Cards (FSD? activity only)
Lesson 5	To be able to make a vehicle based on a design.	Children to follow their designs to create and make their vehicles using a range of craft materials. They will need to make sure they are working safely and carefully.	<ul style="list-style-type: none"> • Can children follow a design to create a vehicle? • Can children use a variety of materials and tools safely and effectively to create a vehicle? • Can children identify ways in which they could improve their products and amend accordingly? 	<ul style="list-style-type: none"> • Slides • Designs from lesson 4 • Variety of materials dependent on designs, e.g. cardboard boxes, cartons, card, plastic bottles, paper, etc. • Variety of tools e.g. scissors, masking tape, glue, etc. • Materials for decoration, e.g. paint, crayons, ICT-based designs, etc.
Lesson 6	To be able to evaluate a finished product.	Children will share their vehicles with their friends, making sure that wheels are working and the chassis is strong. They will then evaluate their vehicle using the worksheets provided, explaining how their vehicle could be improved if they were to make it again.	<ul style="list-style-type: none"> • Can children evaluate a finished product by identifying what they did well? • Can children evaluate a finished product by identifying what could be improved? • Can children identify ways in which they could improve their work with DT in the future? 	<ul style="list-style-type: none"> • Slides • Completed vehicles • Worksheet 6A/6B • Digital cameras (FSD? activity only) • A4 paper (FSD? activity only) • Question Cards (FSD? activity only)