

# CIEC Working Scientifically videos

## Oak National Academy website links

Year	Oak unit aligned with (National Curriculum unit)	Oak lesson title	Working scientifically focus	CIEC video
1	Human body parts (Y1 Animals, including humans)	<a href="#">L2: Body parts on the outside</a>	gathering and recording data to help in answering questions.	<a href="#">VIDEO: Working scientifically: Gathering and recording data - Body parts on the outside</a>
		<a href="#">L3: Body parts on the inside</a>	gathering and recording data to help in answering questions.	<a href="#">VIDEO: Working scientifically: Gathering and recording data - Body parts on the inside</a> (same video as above)
		<a href="#">L5: More about sight, smell and sound</a>	identifying and classifying using their observations and ideas to suggest answers to questions	<a href="#">VIDEO: Working scientifically: Identifying and classifying - Sense of smell</a>
2	Uses of everyday materials lesson 4 (Y2 Uses of everyday materials)	<a href="#">L4: Absorbent Materials</a>	recognising that questions can be answered in different ways	<a href="#">VIDEO: Working scientifically: Answering questions in different ways - Absorbency</a>
			observing closely, using simple equipment AND performing simple tests	<a href="#">VIDEO: Working scientifically: Observing closely, using simple equipment - Absorbency</a>
		<a href="#">L5: Stretchy Materials</a>	observing closely, using simple equipment AND performing simple tests	<a href="#">VIDEO: Working scientifically: Performing simple tests - Stretchy materials</a>
			gathering and recording data to help in answering questions.	<a href="#">VIDEO: Working scientifically: Gathering and recording data - Stretchy materials</a>

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3	Introduction to light and shadows (Y3 Light)	<a href="#">L3: Protecting our eyes from the Sun: plan</a>	using different types of scientific enquiries to answer questions planning to set up simple practical enquiries, comparative and fair tests	<a href="#">VIDEO: Working scientifically: Planning practical enquiries - Protecting our eyes</a>
		<a href="#">L4: Protecting our eyes from the Sun: do and review</a>	gathering, recording, classifying and presenting data in a variety of ways to help in answering questions making systematic and careful observations	<a href="#">VIDEO: Working scientifically: Making systematic observations - Protecting our eyes</a>
		<a href="#">L11: Reflected light: do and review</a>	gathering, recording, classifying and presenting data in a variety of ways to help in answering questions recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables	<a href="#">VIDEO: Working scientifically: Gather, record and present data - Reflected light</a>
4	Introduction to states of matter and changing states (Y4 States of matter)	<a href="#">L7: Thermometers and data loggers</a>	making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.	<a href="#">VIDEO 1: Working scientifically: Using thermometers to take measurements</a> <a href="#">VIDEO 2: Working scientifically: Using data loggers to take measurements</a>
	Introduction to sound (Y4 Sound)	<a href="#">L8: Distance from sounds: plan</a>	asking relevant questions	<a href="#">VIDEO: Working scientifically: Asking relevant questions - Distance from sounds</a>
		<a href="#">L9: Distance from sounds: do and review</a>	reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions using results to draw simple conclusions	<a href="#">VIDEO: Working scientifically: Reporting on enquiry findings - Distance from sounds</a>

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5	Forces including simple machines (Y5 Forces)	<a href="#">L2: Pushes and pulls</a>	taking measurements, using a range of scientific equipment, with increasing accuracy and precision.	<a href="#">VIDEO: Working scientifically: Taking measurements with accuracy - Pushes and pulls</a>
		<a href="#">L4: Friction: do and review</a>	reporting and presenting findings from enquiries, including conclusions.	<a href="#">VIDEO: Working scientifically: Reporting/presenting findings from enquiries - Friction</a>
		<a href="#">L5: Air resistance: plan</a>	recording data and results of increasing complexity using scientific diagrams and labels.	<a href="#">VIDEO: Working scientifically: Planning enquiries to answer questions - Air resistance</a>
		<a href="#">L6: Air resistance: do and review</a>	planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.	<a href="#">VIDEO: Working scientifically: Taking accurate and repeat measurements - Air resistance</a>
	Properties, changes and separating materials (Y5 Properties and changes of materials)	<a href="#">L8: Recovering insoluble solids</a>	using a range of scientific equipment, with increasing accuracy and precision.	<a href="#">VIDEO: Working scientifically: Using scientific equipment - Recovering insoluble solids</a>
	Human development (Y5 Animals, including humans)	<a href="#">L8: Representing data about human height</a>	recording data and results of increasing complexity using line graphs.	<a href="#">VIDEO: Working scientifically: Recording data using line graphs - Human height</a>
		<a href="#">L9: Analysing data about human height</a>	using test results to make predictions.	<a href="#">VIDEO: Working scientifically: Using test results to make predictions - Human height</a>
6	Light and how it travels (Y6 Light)	<a href="#">L3: Light enters our eyes</a>	recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.	<a href="#">VIDEO: Working scientifically: Using scientific diagrams - Light enters our eyes</a>
		<a href="#">L4: Reflected light</a>		<a href="#">VIDEO: Working scientifically: Using scientific diagrams - Reflected light</a>