

Scientists and Inventors: Steve Jobs

Aim: To use recognised symbols when representing a simple circuit in a diagram in the context of Apple computers and the life of Steve Jobs. To understand how Steve Jobs used electronics to design computers. To design simple circuits.	Success Criteria: I can answer questions about Steve Jobs' life and work. I can use recognised symbols to represent some components used to make computers. I can build a simple circuit.	Resources: Lesson Pack Batteries Wires Motors Switches
	Key/New Words: Steve Jobs, technology, computer, Apple, component, circuit.	Preparation: Steve Jobs Fact Sheet – per pair Differentiated Steve Jobs Comprehension Questions – per pair Electrical Circuit Activity – per child

Prior Learning: It will be helpful if children have previously learnt about electrical components and circuit symbols. This lesson would also work well as part of the Electricity unit of work.

Learning Sequence

	Everyday Technology: Children discuss the ways we use technology in our everyday lives.	
	Steve Jobs: Introduce Steve Jobs using the information on the Lesson Presentation .	
	Steve Jobs Comprehension: Children read the Steve Jobs Fact Sheet to find out more about his life and work, then use it to answer the questions on the differentiated Steve Jobs Comprehension Questions . <i>Look for children who can answer questions about Steve Jobs' life and work.</i> <div> Children answer retrieval questions using the fact sheet. Children answer additional questions, reasoning about some of the facts they have learned. Children answer additional inference questions and explain whether they think Steve Jobs was or wasn't an entrepreneur. </div>	
	Computer Components: Use the Lesson Presentation to explain how familiar electrical components are used in building computers. Describe some of the electrical components found in a computer.	
	Electric Circuits: Children use the Electrical Circuit Activity Sheet to identify parts of a circuit and check their answers on the Lesson Presentation . <i>Can children use symbols for circuit components?</i>	
	Circuit Building: Children build their own simple circuits using wires, a battery and a motor to show how familiar components could be used to power a fan in a computer. They draw a diagram to represent the circuits they have made. (You may wish to photograph the circuit to record alongside the children's diagram.) Suggestions for differentiating this activity are given below. <div> Children complete the activity as described. Children include a switch in their circuit and label their diagram. Children add a description of how this circuit might be used in computer equipment, e.g. cooling fans, disk drives. </div>	
	Life with Technology: Children discuss Steve Jobs' legacy, and how the technologies that he introduced changed our lives.	

Taskit

Exploreit: Children take apart old computers and devices to study the inside – can they guess what the parts do? Draw or photograph the parts and explain where in the device they came from.

Inventit: Can children invent a new app for a smartphone or tablet? Ask them to imagine they are working for Apple. How will their app change people's lives?