

Subject Science		Year Group 6		Topic Changing Circuits	Week Beginning 10th January
M o n d a y	<u>Objective (Question)</u> Can I use the correct symbols when drawing a circuit? Can I add extra bulbs to a circuit and draw the correct	<u>Teacher Input</u> Show "Nick's Circuit" OHT Answer/discuss Show "Changing Circuits" OHT Discuss Introduce symbols to use/how a switch works Show Circuit OHT Give equipment out for making circuit	<u>Activity/Task</u> Discuss OHT's and answer questions Make circuit and draw using symbols Add extra bulb and draw new circuit Discuss where your group has put bulb. Did it work? Write conclusion in books	<u>Resources</u> bulbs wire batteries switches OHT's	
W e d s	<u>Objective (Question)</u> Can I recognise the difference between bulbs in series and in parallel?	<u>Teacher Input</u> Explain what series and parallel mean Hand out sheets and read through with class Go over sheets when completed Show OHT and discuss	<u>Activity/Task</u> Complete sheet on bulbs in series and in parallel Be able to discuss answers Write definition and draw diagram to demonstrate Discuss OHT	<u>Resources</u> worksheets OHT bulbs batteries wires	
T h u r s (am)	<u>Objective (Question)</u> Do I know what happens when I add more bulbs to a circuit?	<u>Teacher Input</u> Hand out equipment for making a circuit Explain that they must add more bulbs to their circuit using what they learned yesterday Discuss results. What happened? Why? Discuss what they think would happen if they add	<u>Activity/Task</u> Make simple circuit Add more bulbs to circuit. Draw diagram Discuss what happened and why If time try adding more batteries. What happened? Why?	<u>Resources</u> bulbs batteries wires	
T h u r s (pm)	<u>Objective (Question)</u> Can I show, using diagrams, what will happen to a circuit when I use different lengths of wire?	<u>Teacher Input</u> Give out equipment to include 2 lengths of wire Explain investigation to class Demonstrate how to present work Show OHT and explain resistance wire Give Level 4 questions and discuss	<u>Activity/Task</u> Make circuit with one length then other Predict what will happen Write up investigation to include diagram Discuss OHT on resistance wire Answer Level 4 questions	<u>Resources</u> equipment 2 lengths of wire OHT Level 4 questions Assessment sheet	
<u>Assessment</u> Ongoing- can they make a circuit and use correct symbols in diagram. L4 sheet +end of topic assessment		<u>Differentiation</u> Key word cards for SEN. Investigation prompt card		<u>Homework</u> Brighter Lights Level 4 assessment sheet	