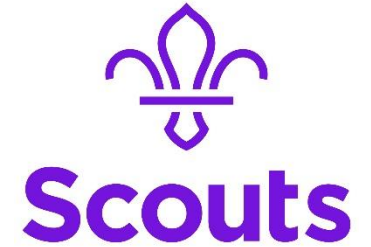
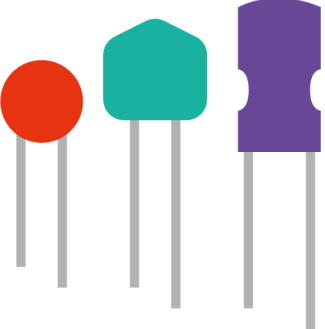
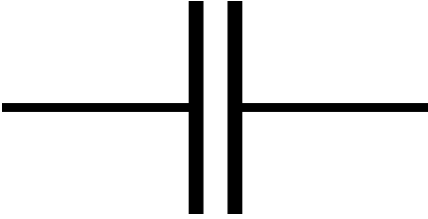
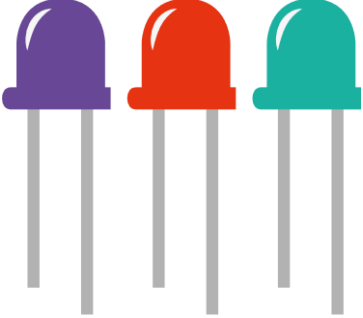
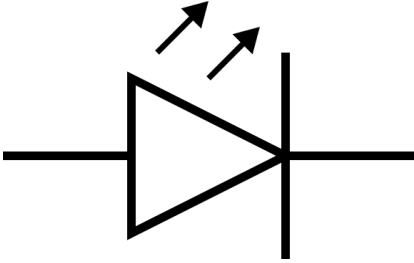
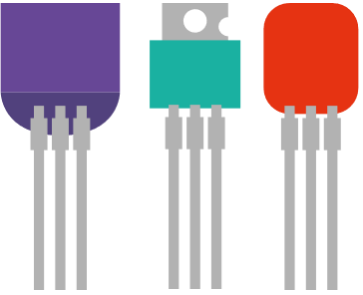
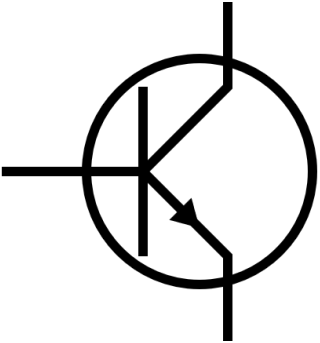


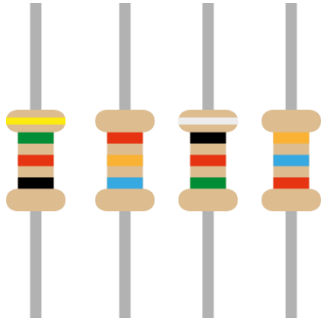

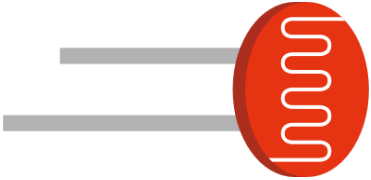
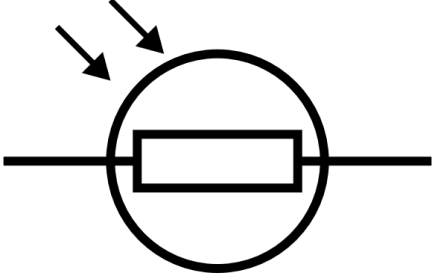
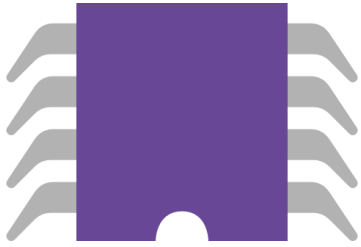
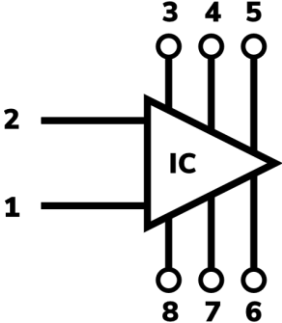
Component cards

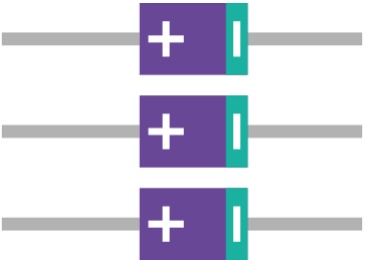
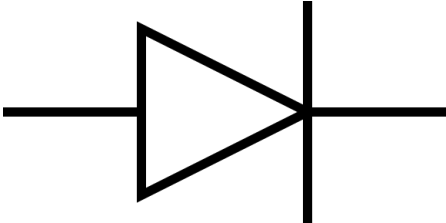
Print and cut out the cards to play 'Wired world'.



Name	Image	Symbol	Description	Uses
Battery			<p>A series of cells joined together. Cells are a power source that produce electricity through a chemical reaction.</p>	<p>Used in circuits that must be portable or won't have access to mains electricity, like smoke alarms and torches.</p>
Switch			<p>Breaks or completes a circuit to allow the flow of current to other components.</p>	<p>Used in circuits that only need to use power for short amounts of time or on demand, such as hairdryers or power tools.</p>

<p>Capacitor</p>			<p>A common component used to temporarily store energy in an electric field.</p>	<p>Used in circuits that need concentrated pulses of energy, such as the flash on a camera.</p>
<p>Light Emitting Diode (LED)</p>			<p>Gives off light when current flows through it, without creating much heat.</p>	<p>Used in tools and machinery as indicator light, like car headlights and traffic signals, in place of old style incandescent bulbs.</p>
<p>Transistor</p>			<p>Either acts as a kind of booster to amplify an electric current or as a switch to trigger the flow of large currents in a circuit.</p>	<p>Found in devices such as radios and hearing aids, where it can act as a switch and amplify electrical signals.</p>

<p>Resistor</p>			<p>Limits the flow of electrons through a circuit using electrical resistance.</p>	<p>Commonly found in all sorts of devices, such as traffic lights and televisions.</p>
<p>Light Dependent Resistor</p>			<p>The resistance of this component decreases in response to light.</p>	<p>Often found in circuits that respond to external signals, including devices like streetlamps.</p>
<p>Integrated circuit chip</p>			<p>An advanced component that does the jobs of many other components and is more compact.</p>	<p>Found in all sorts of complex circuits, including computers and smartphones.</p>

Diode			This component only allows electricity to flow through it in one direction.	Used in devices such as power supplies and extension leads as surge protectors.
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