



# AI and Medical Robots

## Lesson plan

<b>Starter activity</b>	<b>Learning objectives</b>
<p>In groups, students brainstorm answers to this question:</p> <ul style="list-style-type: none"> <li>In what ways can robots and artificial intelligence impact healthcare?</li> </ul> <p>Share, discuss and debate answers as a class.</p>	<ul style="list-style-type: none"> <li>To identify the main characteristics of a robot.</li> <li>To consider how robots and artificial intelligence might impact healthcare.</li> <li>To understand the history of AI and robots in medicine.</li> </ul>
<b>Main activities</b>	<b>Resources required</b>
<p>Still in their groups and using the internet/provided materials, students now create a timeline which shows the progression of AI and robots in medicine.</p> <p>Each group should share their timeline, and then the class can view the timeline in Step 1.5 together.</p> <p>Lead a discussion around this timeline, asking:</p> <ul style="list-style-type: none"> <li>How does this timeline compare to your group's?</li> <li>Did you find anything that surprised you?</li> </ul>	<ol style="list-style-type: none"> <li>Large/flipchart paper and pens for brainstorming.</li> <li>Devices for research and creative materials for creating timelines.</li> <li>Timeline PDF or webpage (Step 1.5).</li> <li>Materials for individual reflections.</li> </ol> <p><b>Assessment for Learning</b> Discussion contributions, timelines, individual reflections.</p> <p><b>Differentiation</b> <b>SEND:</b> Teacher-led support. <b>Low ability:</b> Peer-learning. <b>Gifted and Talented:</b> Peer-teaching.</p> <p><b>Plenary</b> Students write a brief individual reflection answering these questions:</p> <ul style="list-style-type: none"> <li>Do you think there could be a point in the future where robots could look and behave in a way that makes them indistinguishable from humans?</li> <li>What impact do you think this could have?</li> </ul>