Digital Health and Wearable Technology

Lesson plan

Starter activity	Learning objectives
The class watches the video in Step 2.7 'From wearable to implantable technology'. Students should take notes to inform their work for the rest of the class.	• To consider the future of digital medicine and investigate the uses of wearable and implantable technology. • To debate the ethics and implications of implantable technology.

Main activities	Resources required
Put students into small groups. Give each group a prepared handout with information on both of the two implantable medical devices in Step 2.7 (Electroencephalogram and VERASENSE). Students should discuss the examples, and the ethics of the devices. What do they think are the implications of a device being implantable? Groups can research the idea further online if they wish. Then ask the class to clear the room and stand (or move to sit if preferred) in the centre. Ask students to consider how they feel about the use of implantable medical devices. They should place themselves on an imagined spectrum line which ranges from 'completely agree with' on one end, to 'completely disagree with' on the other (A4 handouts to stick on each end may be a useful visual reminder). Once students have placed themselves on the spectrum, lead a debate by asking individuals to speak about why they have chosen to stand where they are. Other students can reconsider their position and move around the line as the discussion happens (if someone is particularly persuasive, for example).	1. Device for watching video. 2. Prepared handouts on implantable devices. 3. Space for spectrum debate activity. 4. Materials or devices for writing reflections.

	Assessment for Learning
	Debate contributions and personal reflections.

	Differentiation
	SEND: Videos have subtitles. **Low ability:** Peer-learning. **Gifted and Talented**: Peer-teaching.

	Plenary
	Students write a brief personal reflection on what they have learned and how they feel about digital medicine and wearable technology, including reference to the future of digital medicine (and implantable technology).