

Tech for Helping People

Assembly Handout

This handout contains information about the **Tech for Helping People Assembly**. Scan the QR code to download the **Tech for Helping People Assembly**. Scroll down the page and click on the red **Assemblies** slide tab.



Technology and Helping People

Technology is the use of science and knowledge to solve problems or invent useful tools. Technology can help people in lots of different ways. It can help to make people better when they're poorly or hurt. It can also help elderly people or people with disabilities to do things that would otherwise be really tricky or that they might need someone else to help them with. Technology can also help the people who help to keep us safe, such as the fire service, paramedics, the police and other emergency services, to do their jobs more safely and more quickly.

Technology to Help the Emergency Services

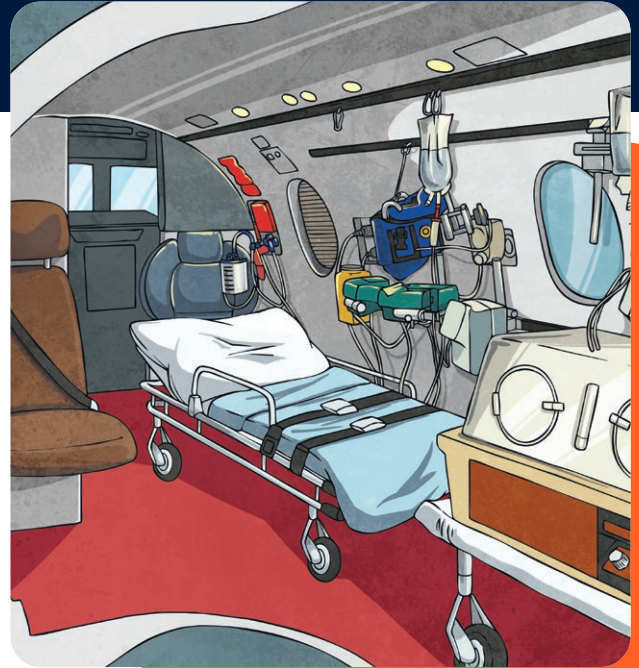
Technology can help the emergency services to perform better and more safely. Augmented reality designers create new and interesting augmented reality experiences to help emergency services or healthcare staff to do their job, to train them in their jobs or to help people in another way. Textile engineers work with fabrics and materials to research and develop new materials to improve protective clothes. This also includes designing ways of incorporating wearable tech into clothing designs.



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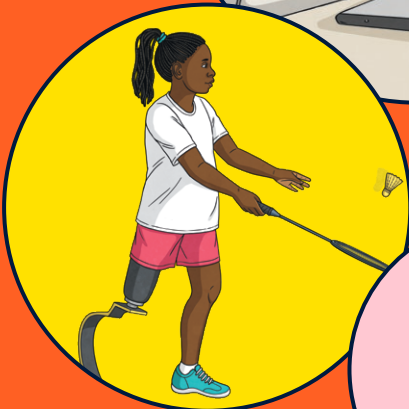
Technology to Help with Healthcare

Doctors and nurses use lots of technology to help them to do their jobs. Surgical robots make it possible to do really tricky operations that would have been very difficult for a surgeon to do. Video games have been developed to train doctors and medical workers. Medical device engineers design the medical machines and devices of the future to help save lives or improve the lives of patients. Game designers design games that could help improve the skills and knowledge of people working in healthcare.



Technology to Help People with Disabilities

Technology is developing very quickly and the things people are inventing are getting better and more helpful all the time. More sophisticated prosthetic devices are being developed to help people who were born without a limb, such as a hand or a foot, or those have been hurt in an accident and lost a limb. Hearing aid technicians help people with hearing loss by fitting and repairing hearing aids and teaching people how to use them. Assistive technology trainers teach children and adults with disabilities to use technology that is designed to help them. Product designers use design skills and technology to create new products and improve the way existing products work and look.



Technology to Help the Elderly

New technology is constantly being developed to help people with their lives. Artificial intelligence engineers program computers and machines to work similar to the human brain. This allows technology to think, learn and do tasks that are usually performed by people. These engineers design and use artificial intelligence to help people with lots of different things. Robotic engineers use engineering skills to design, build and program robots.

Follow-Up Activity

Design a piece of technology, clothing or equipment that could help the emergency services in their work. You could design something that helps them do their job more quickly or easier. You could also design something that helps to keep workers safe when working in the emergency services. Draw your design on paper or use a computer and include details of how your design will help the emergency services.

