

Katie and Tex Explore Augmented Reality

Tech File



Have you ever wished for a pair of super-spy glasses that gave you X-ray vision and extra facts about the world around you? If so, you might be interested to learn more about augmented reality or AR.

AR is a way of adding an extra layer of digital imagery and information on top of what is already there in the real world.

AR can be accessed using a phone, a screen or a visor. These tools allow a user to see the real world as well as the digital images and information.



AR allows a user to explore objects and systems before working on the real thing.

AR can be used in games or as a way of trying on clothes and new hairstyles.

Surgeons and dentists make use of AR to practise operations before they carry them out on real patients.

AR technology is used by pilots in the Royal Air Force. The AR in their specially designed helmets projects the aircraft information onto the helmet's visor. Instead of having to look at the dials on the dashboard, the Royal Air Force Pilots can see the information on their visor no matter where they are looking. This gives them lots of important data, such as how fast the plane is travelling and the position of other planes around them.



Did You Know...?

Tom Caudell, a researcher at Boeing first used the term 'augmented reality' in 1990.

What Can You Do?

Design your own AR sunglasses. What digital information would you like projected on your glasses when you're out having fun in the sun? What about the temperature? Or maybe you need to know the distance to the nearest ice cream shop?

Disclaimer: This resource contains links to external websites and/or external apps. Please be aware that the inclusion of any link in this resource should not be taken as an endorsement of any kind by Twinkl of the linked website and/or app, or any association with its operators. You should also be aware that we have no control over the availability of the linked pages and/or apps. If the link is not working, please let us know by contacting TwinklCares and we will try to fix it although we can assume no responsibility if this is the case. We are not responsible for the content of external sites and/or external apps.