## Augmented reality being used to teach school children about the human body and how it works.

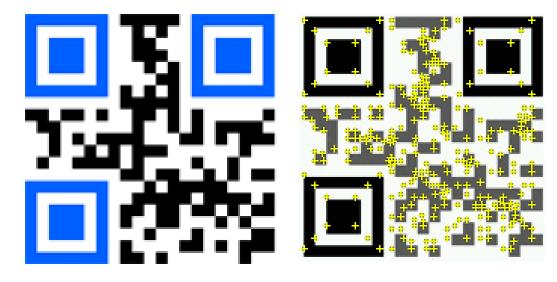
Aims: The aim of the project is to display information of the body part / organ over a real life model.

Objectives:

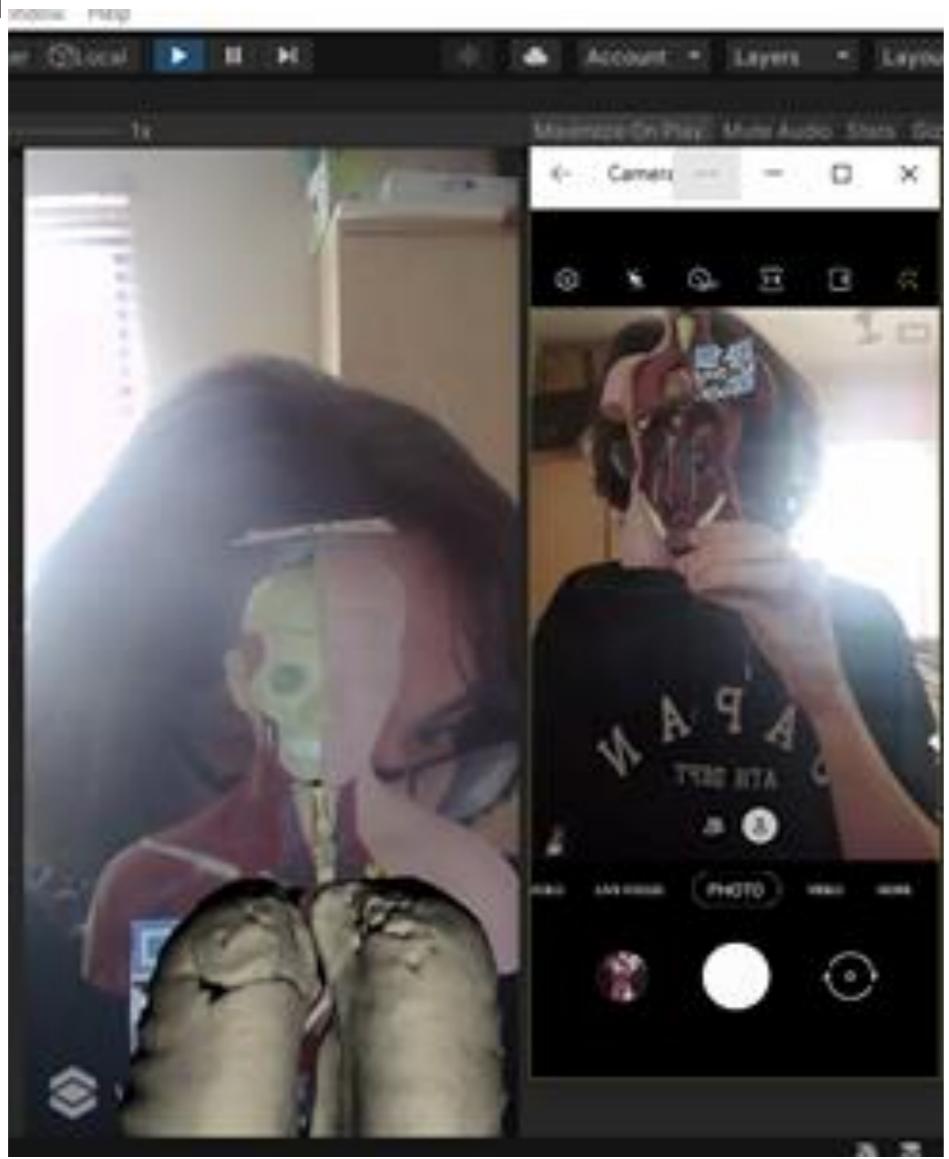
- Detect objects
- Display image or 3D model over target

Future: A more finished version of the project will overlay informational text over part of the target organ (name and functions of target)

This QR code is being used as the target the second image shows what fetchers Vuforia has picked to use to recognise and track



vuforid





unity

# Medical AR for education

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## Real world applications

- Online shopping: Amazon allows you to view what product looks like in room
- Education: when Google search something like an animal you can see a 3D model
- Google Maps: Allows the user to see directions
- Cars: most new cars are built with a reverse camera and display parking lines
- Game: games like Pokémon Go and Harry Potter: Wizards Unite allows you to see the creatures.

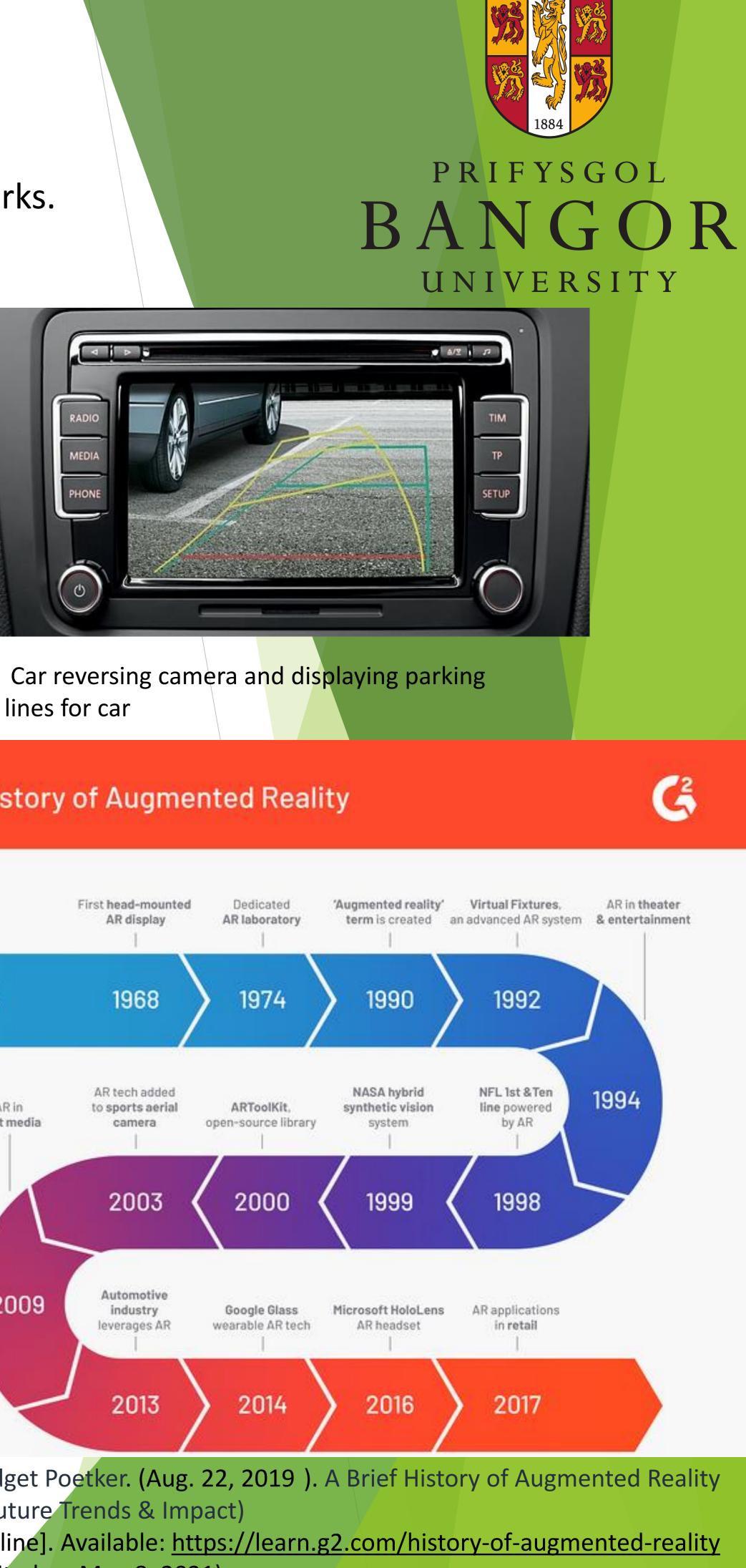
A working demo of my project running in unity detecting a QR code and displaying a temporary 3D object.



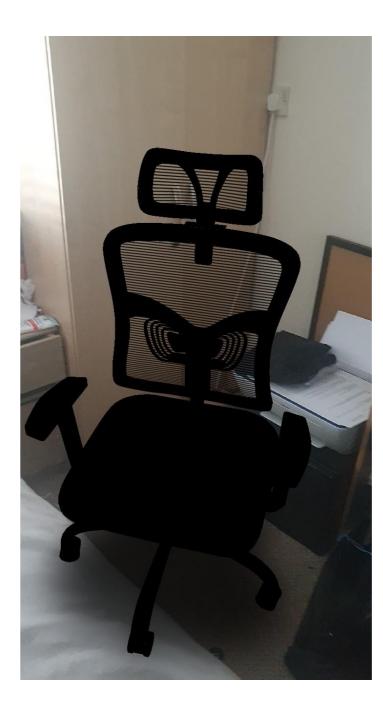
Google AR showing a hedgehog where size can be changed



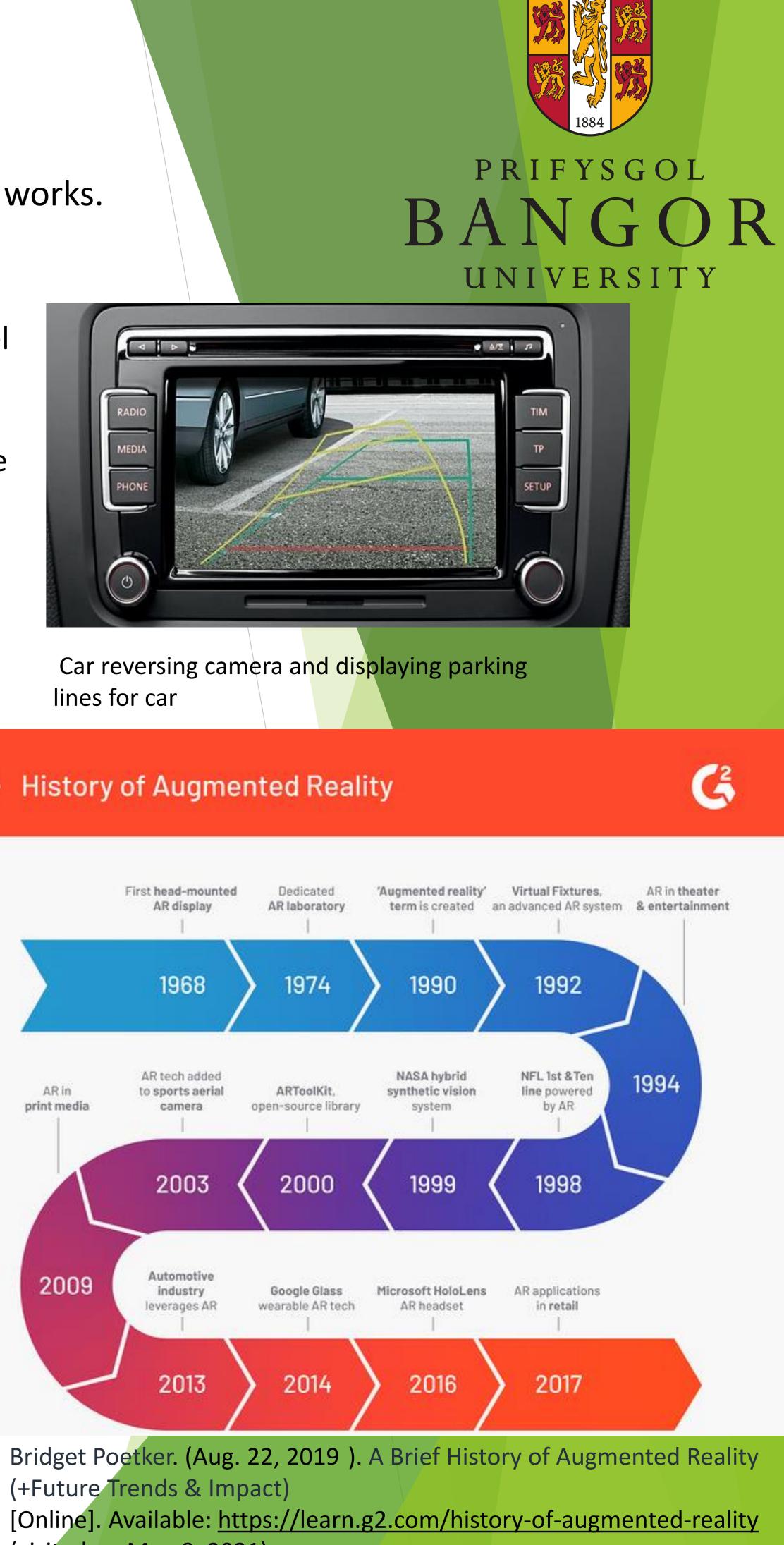
Google Maps AR giving directions



### 4



Amazon showing what a chair would look like in room



(visited on Mar. 8, 2021).