

# OUR GRAND CHALLENGES

## Artificial intelligence

Saving lives by using AI to diagnose chronic diseases.

## Ageing society

Using technology and design to help people live longer and healthier.

## Clean Growth

Designing safer and more energy efficient buildings to live and work in.

## Future Mobility

Creating a safer transport network that uses cleaner fuels.



# ARTIFICIAL INTELLIGENCE

- Within 15 years, better use of AI and data could result in 20,000 fewer people dying of cancer, within 5 years of their diagnosis. Understanding how data can be used to predict medical trends will provide more opportunities for careers linked to the research of chronic diseases.



# AGEING SOCIETY

- How can technology and design help people to enjoy extra healthy years of life?
  - designing homes and products that help people to live more independently for longer
  - creating new treatments to help people lead healthier lives



# CLEAN GROWTH

How can we harness technology to create safer buildings and reduce our energy use, to:

- design safer and more energy efficient buildings to live and work in
- explore smart technologies that can cut household energy bills



# FUTURE MOBILITY

○ How can technology improve transport and help us to make better use of cleaner fuels like:

- solar energy
- hydrogen fuel cells
- electric vehicles

