

# BUILDING A CULTURE OF INNOVATION



Dr Iain Hennessey, Clinical Director of Innovation - Alder Hey Children's Hospital

Innovation is...  
a fresh idea implemented  
to achieve value

State of the  
Art facilities

like having  
the keys to  
a Ferrari!



- 1 Identify the problem
- 2 Work up the problem
- 3 Identify partners
- 4 Work with partners to try out solutions



The Innovation Hub creates a safe space  
for people to get together

partnership is  
essential!!!

## Five areas of cutting edge technology to foster a culture of innovation

### UX "WOW FACTOR"

Partnered with a theme park company to improve experiences for children



led to developments such as interactive digital aquariums in waiting areas  
calmer, happier children

### DIGITAL PLATFORMS

its like a digital front door



fun  
games  
rewards  
resources

Alderplay developed as the hospital's digital platform

### HEALTH TECH

rapid prototyping

Some examples include:-  
• use of 3D printing technology  
↳ create artificial bones to test out innovative procedures



Provides safety in trying out new procedures and processes

• development of functional transparent masks



### PRE-EMPTIVE AI-DATA

developed a chat bot for children



answered 30k questions and reduced anxiety



use data to look for patterns  
→ inform interventions

### IMMERSIVE HEALTH

Augmented reality can innovate health practice



for example:

pre-operative planning

supporting behavioural therapies