



# Creating Virtual Solutions

Owen Weightman

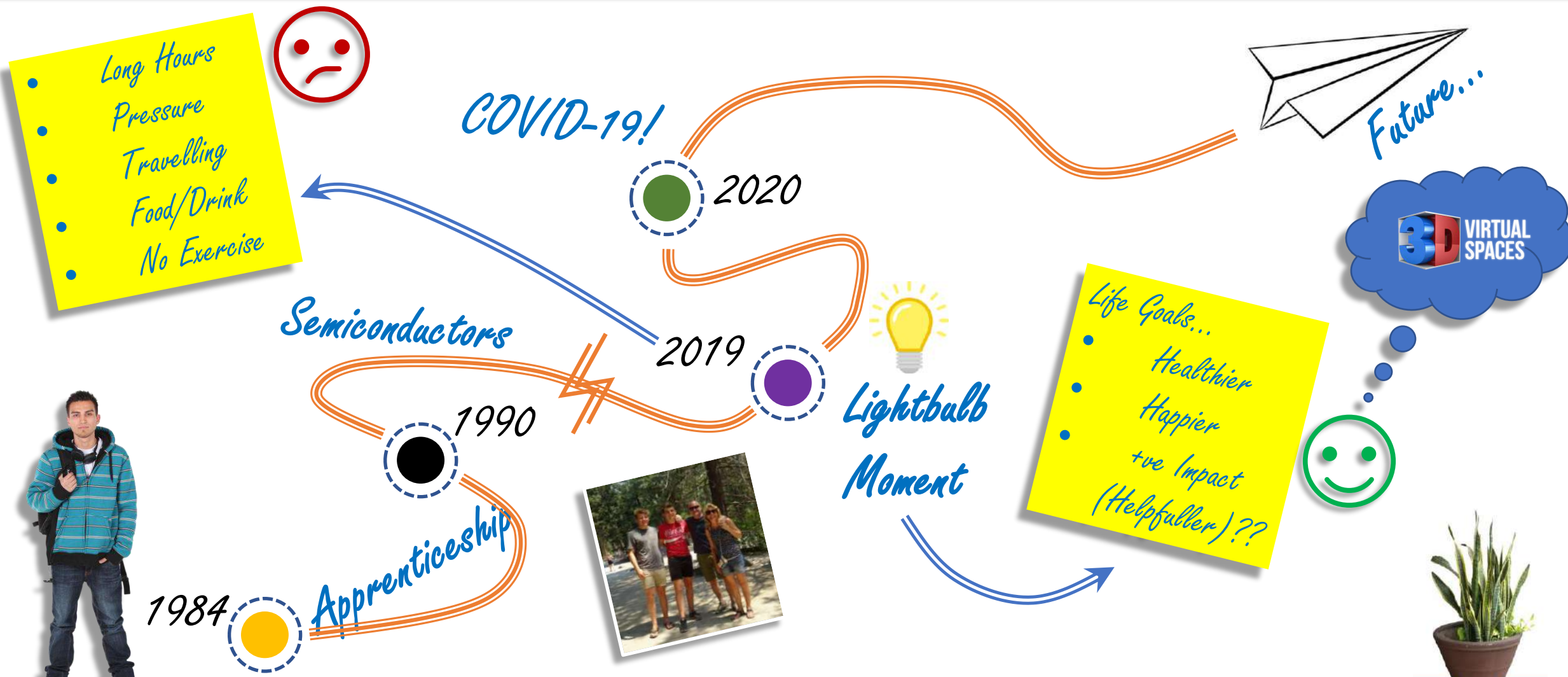
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## Visit County Durham

Product Knowledge Day 13-Mar-24

# My Journey (condensed!)



- ① Create 3D digital models of buildings or rooms.
- ② Add a high-quality photographic overlay
- ③ Create a virtual walk through of the space.
- ④ Embed information, website links and media into the model.
- ⑤ Allow people to virtually interact inside the space.



# Key Questions...

①

WHO can this stuff help?

②

HOW can it help YOU?





Search function

Embed text and media

Insert local information

Labelled 2D floor plan view

3D interactive view to understand the space

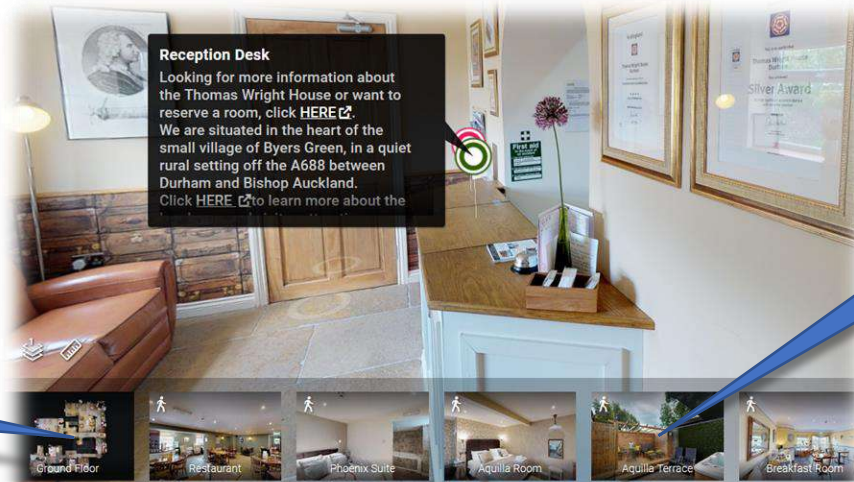




Tag up beers & food, link to menus



Show the space in 3D



Jump to look around your actual room

See the layout and use as a map





Show local information

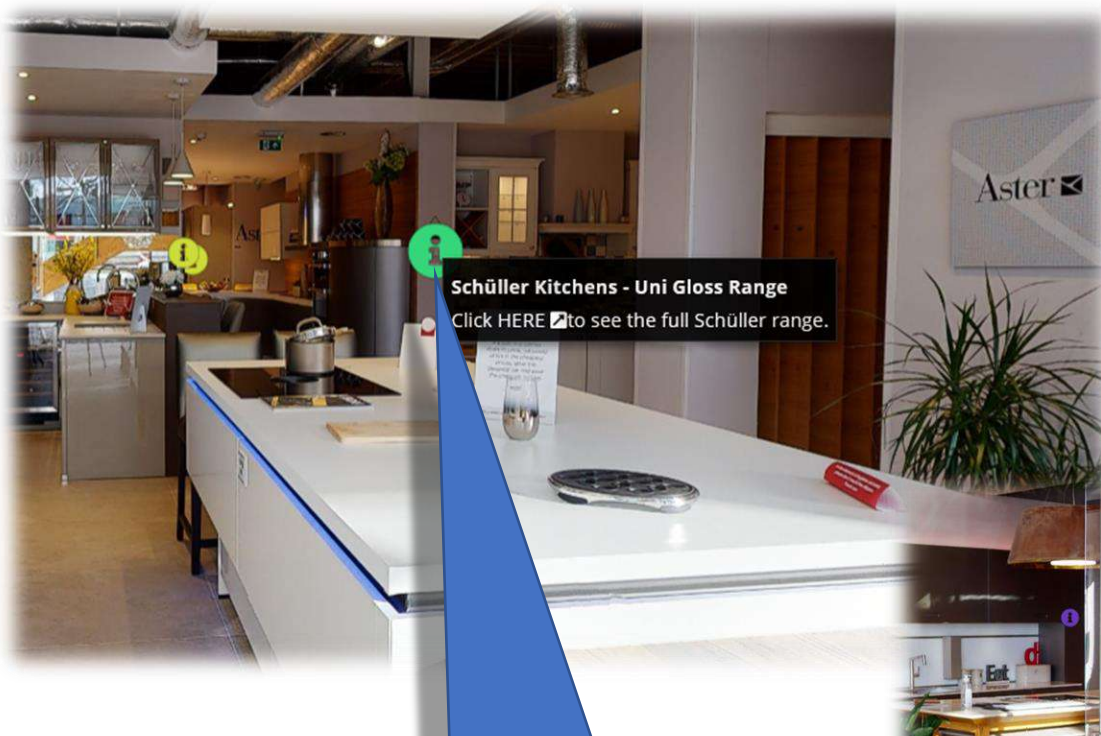
Embed sales info & plans

Look around inside and measure up



View the space in 3D





Insert information and links to websites or ecommerce site



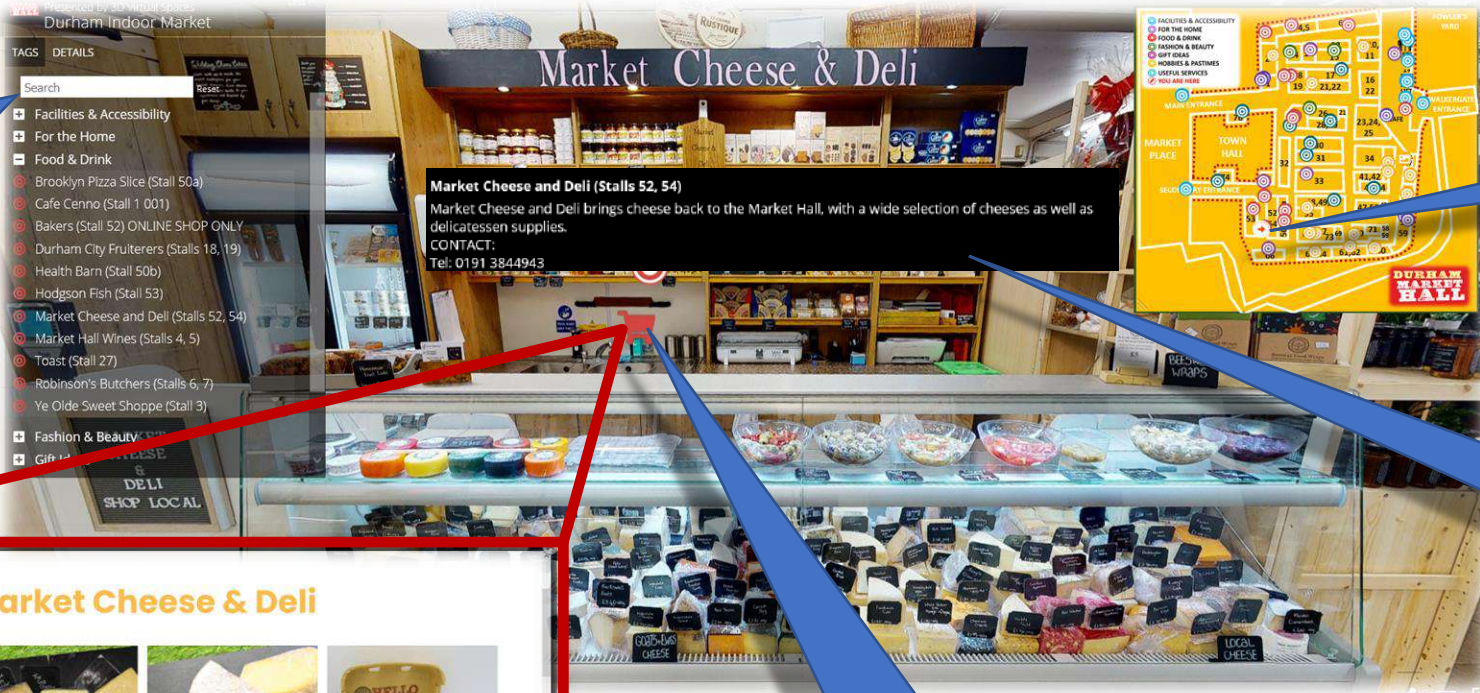


Search  
Function  
& Menu

Location  
Map

Contact  
information and  
links to website  
& social media

Ecommerce  
Shop



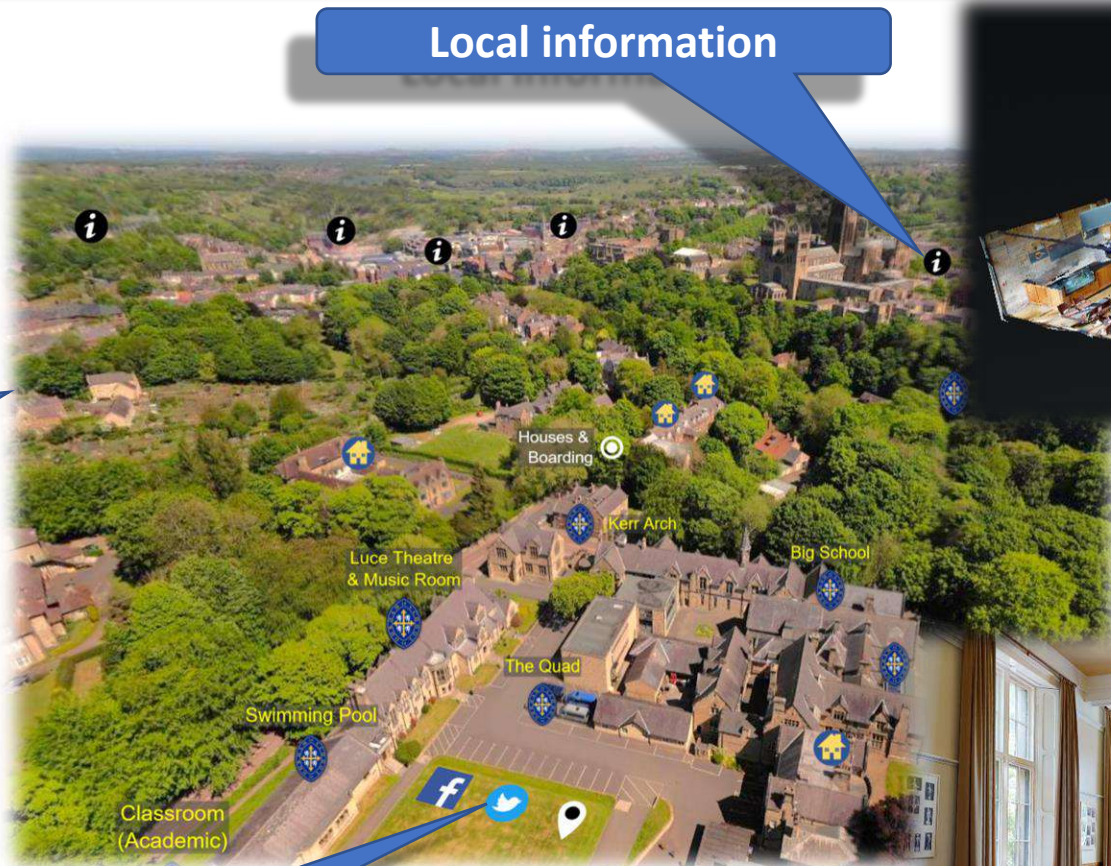
## Market Cheese & Deli





Local information

School  
Overview  
Page



**Big School**  
Big School is the historic heart of Durham School. It has been the central focus of life at the School since it moved from next to the Cathedral in 1844. The achievements of generations of pupils are recorded on the prize boards on its walls, many of which are as old as the room itself.

View in 3D



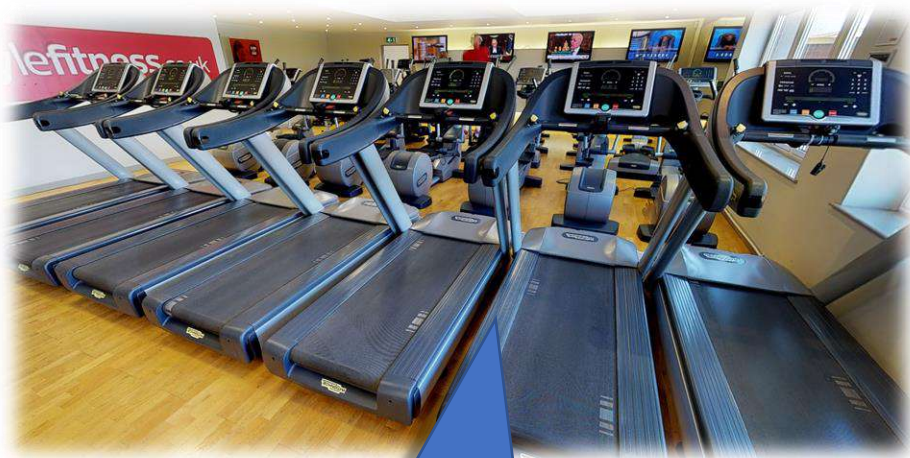
Social media links

**Exhibition Room**  
This room was originally the 6th Form Common Room, but now as its name suggests, it is our Exhibition Room. Not only are the walls adorned with amazing examples of the artworks of our pupils, it is often used for Exhibitions of our pupils work.

Walk through  
and learn about  
different areas





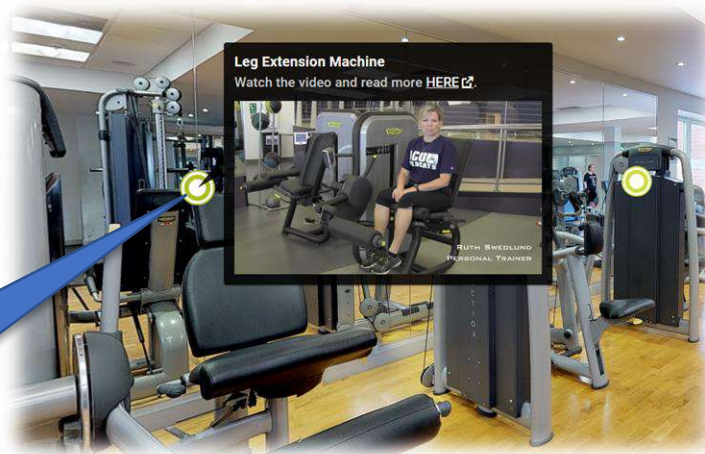


View what actual equipment is in there!

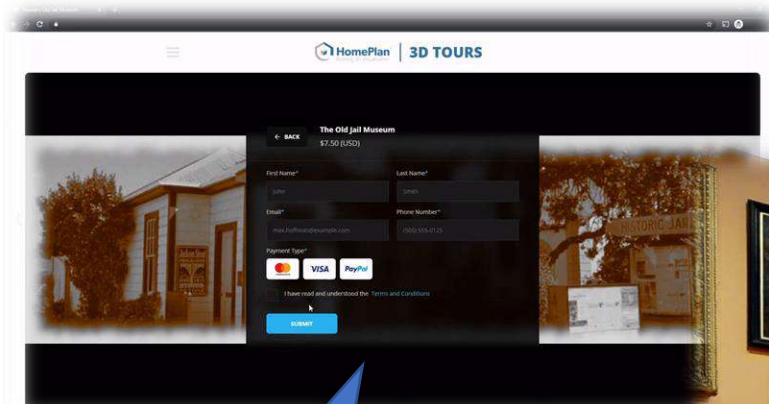


View the space in 3D to familiarise layout and scale

Embed video tutorials, induction and reference material







Add a  
paywall

Add info tags about  
the artwork



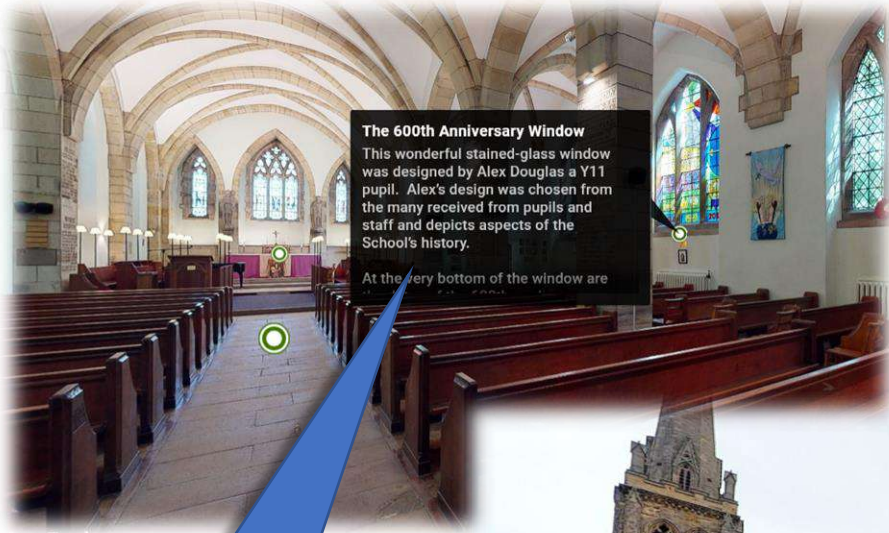
Embed  
videos



Link to  
existing  
information  
archives

Embed the  
artist's bio

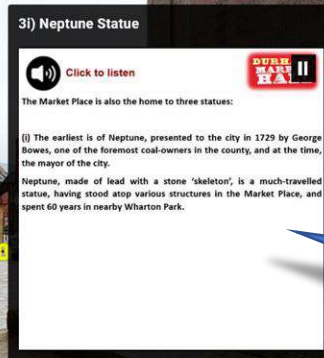
Add background  
music



**The 600th Anniversary Window**  
This wonderful stained-glass window was designed by Alex Douglas a Y11 pupil. Alex's design was chosen from the many received from pupils and staff and depicts aspects of the School's history.

At the very bottom of the window are

Embed heritage information



Guided tours with voiceover

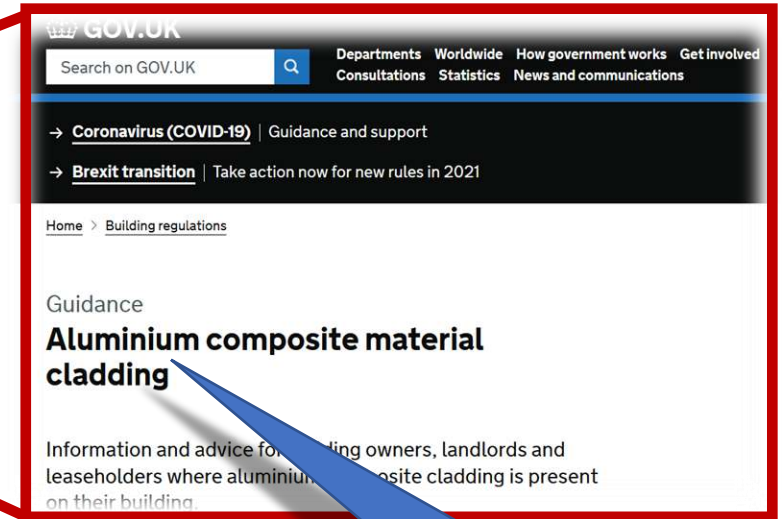


Point cloud data for documenting heritage buildings

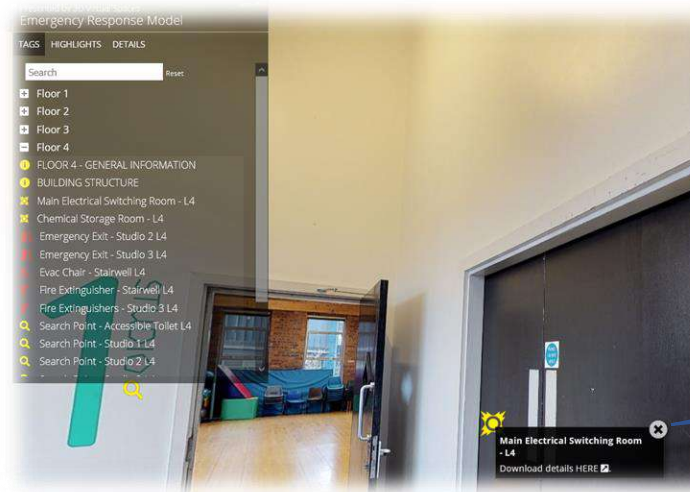




3D view – immediate and total understanding of the building layout



Embed and link to other important data sources



Identify and tag critical points



- Funding provided by Visit England

- 3 NE organisations involved:

- Newcastle Gateshead Initiative
- Visit County Durham
- Visit Northumberland

- Focus on improving Accessibility and Inclusion

- So far 3D Virtual Spaces is supporting 16 locations (will be 20)

- 
- Northern Stage
  - Black Friars Restaurant
  - Dobson & Parnell Restaurant
  - Northumbria University
  - Centre For Life
  - Staybridge Hotel

- Auckland Project
- South Causey Inn
- Diggerland
- Adventure Valley
- The Firestation Theatre

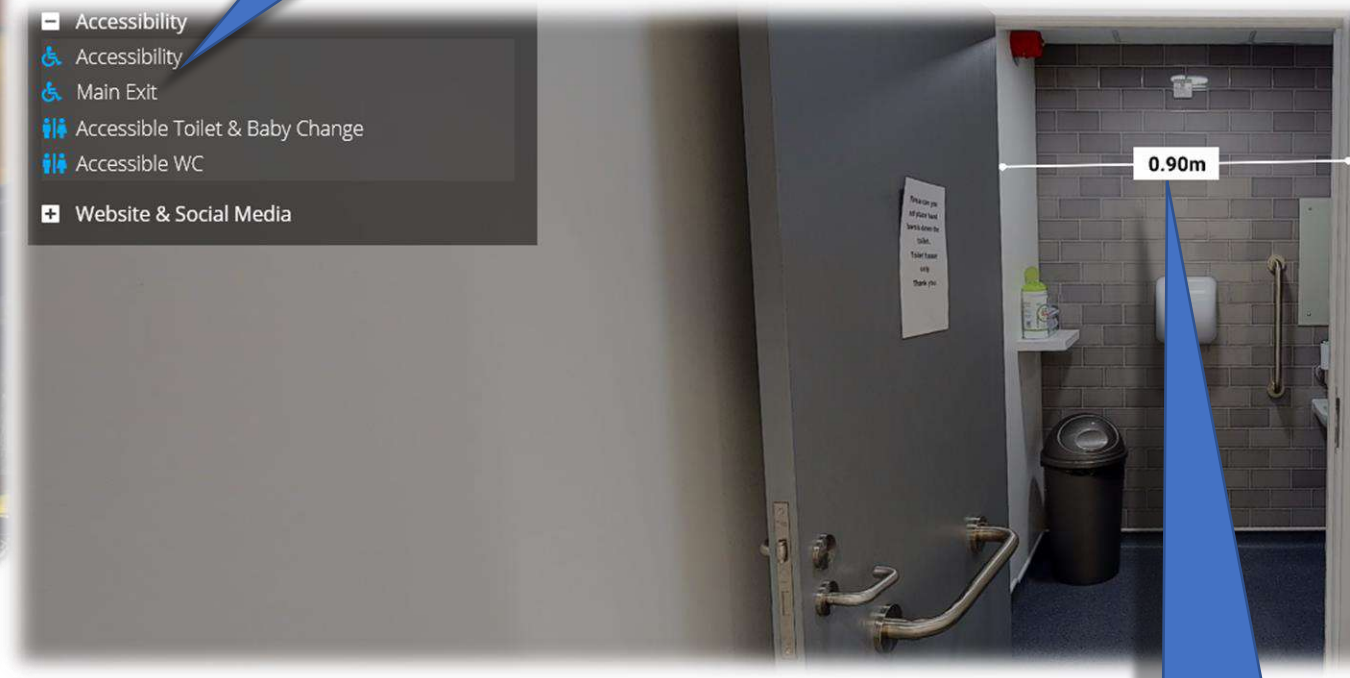
- Woodhorn Colliery Museum
- Vindolanda Army Museum
- The Sill Discovery Centre
- Hauxley Wildlife Discovery Centre
- Howick Hall and Gardens



Mobility  
information

Search function

- Accessibility
- Accessibility
- Main Exit
- Accessible Toilet & Baby Change
- Accessible WC
- Website & Social Media



Measuring tool



Link to  
venue guide

Information  
about relaxed  
performances





Can't get there?

Have a Virtual Experience!

# What do you need?



- Smart Phone
- Tablet
- PC / Mac
- VR Headset
- ~~• Additional Hardware~~
- ~~• Additional Software~~



- eMail or Text the link
- Add to social media
- Embed in your Website
- Use a QR code





# THANK YOU!

-  **+44 (0)7845 793529**
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-  **[enquiries@3DVirtualSpaces.co.uk](mailto:enquiries@3DVirtualSpaces.co.uk)**
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-  **<https://www.linkedin.com/in/owen-weightman-362773176>**