

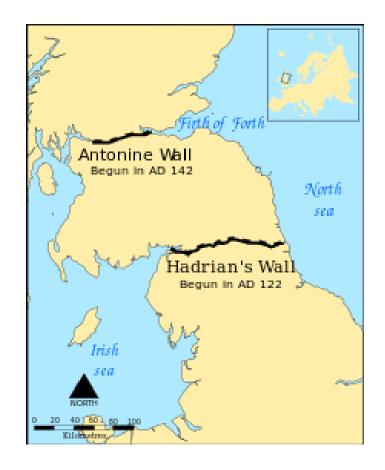
Deb Mayers

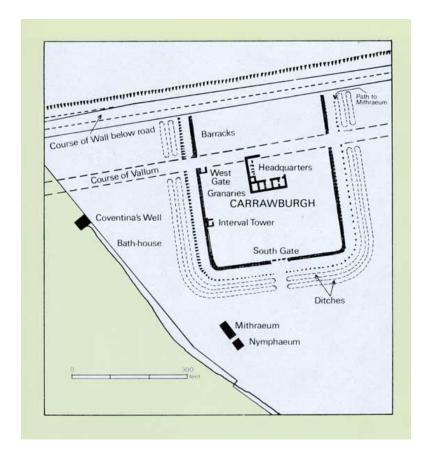
Remembering Carrawburgh: Using VR to (Re)Create the Past

Website:	Photoscan:
http://debmayers.com	https://sketchfab.com/debmayers24
Twitter: @debmayers24	Github: https://github.com/dmayers340/uni tyMithraeum

- Introduction to Carrawburgh
- Displaying Artefacts
- How to re-contextualize objects
- Multisensory effects and VR
 - Visual
 - Audio
 - Haptic
 - Scent
 - Taste
- Do these multisensory effects help with learning about the ancient world?
- Should sensory feedback be placed in all experiences? Is this feasible?

Agenda





History of Carrawburgh









Carrawburgh Today











Carrawburgh Artefacts







Carrawburgh Artefacts-Coventina's Well







Carrawburgh Artefacts-Mithraeum



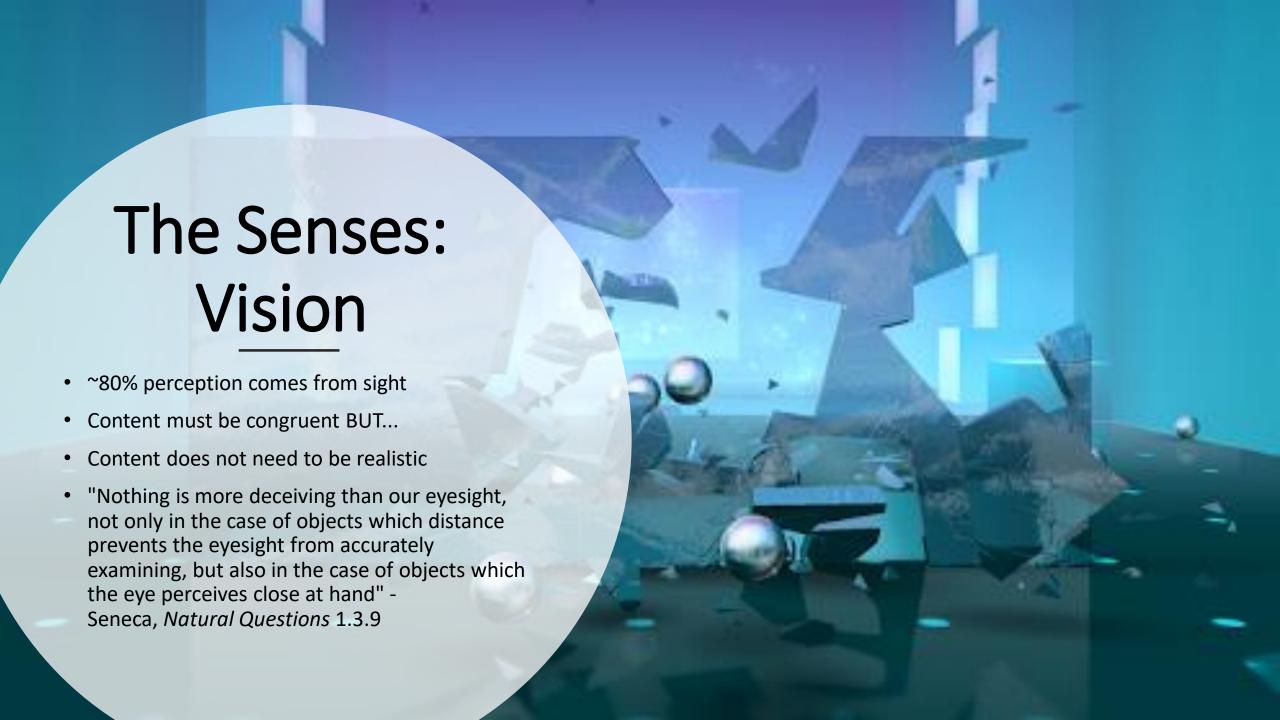


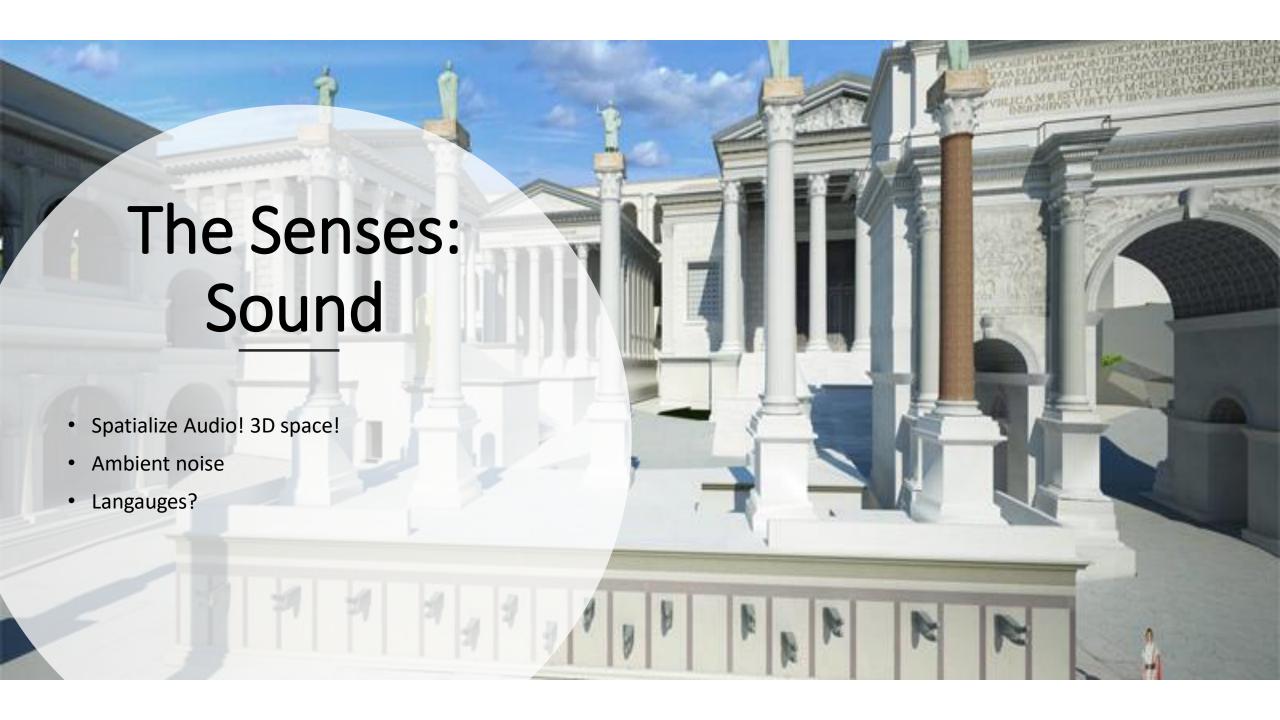




Uses of Digital Media in Museums





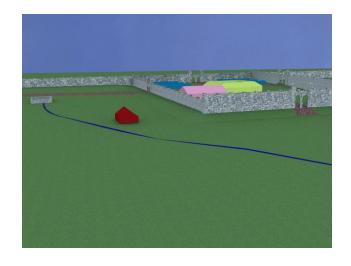


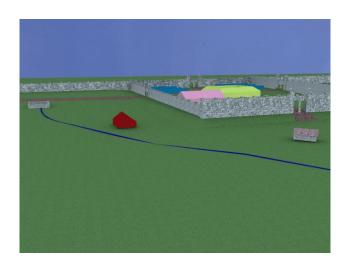




Technology Used	What is it?
3DS Max and Blender	3D modeling software
GIMP	Photo editor for textures
Unity	Game Engine
VRTK	The holy grail-makes creating the VR experience very easy
Oculus Avatar	Used to create a more embodied experience—excellent for hands
Photoscan	Create photogrammetry models
Arduino	To connect a fan and spread scent
Three.js	A way to put a 3D model on the web and interact with it
WebGL	Web builder to display Unity experience online

Technologies Used







Carrawburgh in the Past?







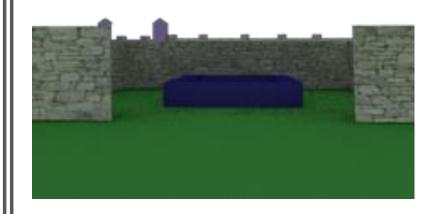




Carrawburgh in the Past?







Carrawburgh in the Past?



Deb Mayers

Shameless plug- sign up for my study: calendly.com/dmayers340

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