FORENSIC CSI WEBINAR

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Overview

- ✓ Varied Audience: Educators (FE+HE), Practitioners, Trainers
- ✓On Campus, At Home (Remote), Online = Blended Approach
- ✓ Covid 19 Response: Current Resources, Novel Approaches
- ✓ Accreditation Requirements: ISO 17020, Chartered Society of Forensic Sciences (CSoFS)





Virtual Immersive Facility: 'The Cube'





On campus scenes: PPE, Social Distancing, Small Groups



App (fee required)

Useful for accreditation, quality processes and standard operating procedures ISO 17020



Headsets



Tablets



Scene Capture: At home (remote) and on campus



Measurements



Videography



Photography



Scene Plans

Lighting Conditions



Locations





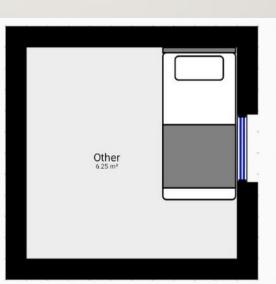
Augmented Reality
(AR) using mobile
phone e.g. Google
Animals, Pokemon Go



m magicplan

AR App and Online Cloud









Immersive Scene Simulation

Animations, 2D and 3D















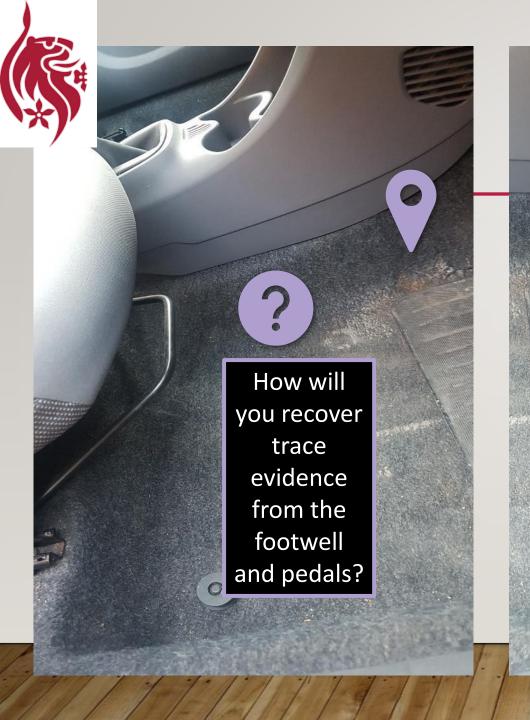
Vehicles

- Excellent Resource!
- Range of offences (volume, major)
- Link people, scenes, animals, other vehicles
- Different terminology and hazards
- Search Approach zones
- Order of Examination
- Evidential Traces

Airbag Nearside Offside Wheel Arch Seat Squab

Parcel Shelf Footwell Glove Compartment Boot/Trunk

Bonnet/Hood Bumpers/Fenders Dashboard



Front Offside Footwell

In the UK, a vehicle with the steering wheel on the right side is referred to as the Front Offside. The passenger side would be the nearside as it is nearest the pavement and kerb.



Scene 'Interaction': 3D Models







Experiential Learning: Critical Thinking













Health and Safety





Online Resources Ideas















Gamification

- Escape Room Ethos
- Evidence Search
- Questioning
- Rationale
- Bias and Ethics
- Internationalisation (varied CJS)



Virtual Museum, Canada



Virtual Reality (VR) Technology - Numerous Approaches







360°

- Use bespoke 360° equipment e.g.
 Ricoh Theta cameras ,Visor Headsets,
 and editing software
- Google Earth free resource!
- Online 360° videos and images
- Adobe Captivate and Creative Cloud
 - immersive software





Other Resources



- Scenario based simulations (RE:SIMION)
- Unmanned Aerial Device (UAV) or 'Drone' Footage of Collision Scene Reconstruction: https://www.youtube.com/watch?v=_WCgCnmcaA4 and missing person investigation
 https://www.youtube.com/watch?v=nE3obE08TIs&feature=youtu.be and crime scene imaging https://youtu.be/r8-6fQxTSKA
- Crime Pad (recording system as used in USA)



Thank you! ... Any Questions?

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