Assessment no.

DOC Exhibition
Health and Safety Risk Assessment

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Tutor Name: Helen Pritchard	**Exhibition:** **e.g MA Computational Arts 2018**

The suggestions in each section are not an exhaustive list: think beyond what we have listed.

Brief description of work:
Installation of crafted electronic artefacts network which tune itself with data from sound environment and the proximity of viewers .
When there is no viewers near the installation, the networks nodes are moving in response to the movement of each others and draw a shape system projected on the wall behind them.
When a viewer is near enough the network speaks to him via speakers
Any sounds produced by the viewer is an input to the shape system projected on the walls

Material : Wood, conductive and isolated wire, paper craft, metal, laptop, arduino, raspberry pi, speaker and microphone, projector

Checklist:

- **Have you attached a photograph of your work?** I have attached a simulation of the work , a collage of pictures, the floor plan will depend upon the projector I will be able to get , as I will have to adjust the height of the boxes for the artefacts
- **Have you attached a floor plan drawing?**

Equipment Requests:

- **What do you require from the department's technical store?**

- one projector able to project from the limit of the floor space to the walls , minimum 3000 lumens
- Two floor spotlights

What are your power requirements?

- **How many power sockets?**

one for the laptop, one for the raspberry pi,
access to Ethernet plug for a router
three for the electronics artefacts 5V to 12V
one for the projector
two for the floor spotlights

Do you require:

- **Blackout space?**
- **Any hanging/ suspended items (anything at all!)?**
- **Any work at height of above 1.5m (will you need a ladder/ scaff tower to install)?**

hanging projector

hanging microphone?
dark as possible , but not totally dark is fine

Does your work control any high voltages (above 48v)?
- **Detail the application and equipment using these voltages**
- **Has this been inspected by a member of the technical team?**

No

Does your work involve fabric, paper or combustible material?
- **Describe which materials and how much of each.**
- **You will need to spray these materials with fire retardant.**

Paper Craft
wood and cardboard
Will spray them

What time will the exhibition and invigilation start and finish each day?
organised by the echo system management team

Describe the potential number of visitors and how you will ensure:
- **Public safety**
- **Security of your/ others' work**
- **Security of the space**

Independant Switch for the electronics, the laptop, the spotlights and the projector

What are the risks your work could present:
- **during installation?**
- **to the public?**

Think about trip hazards, disabled access, bumping heads, darkness, etc.

No

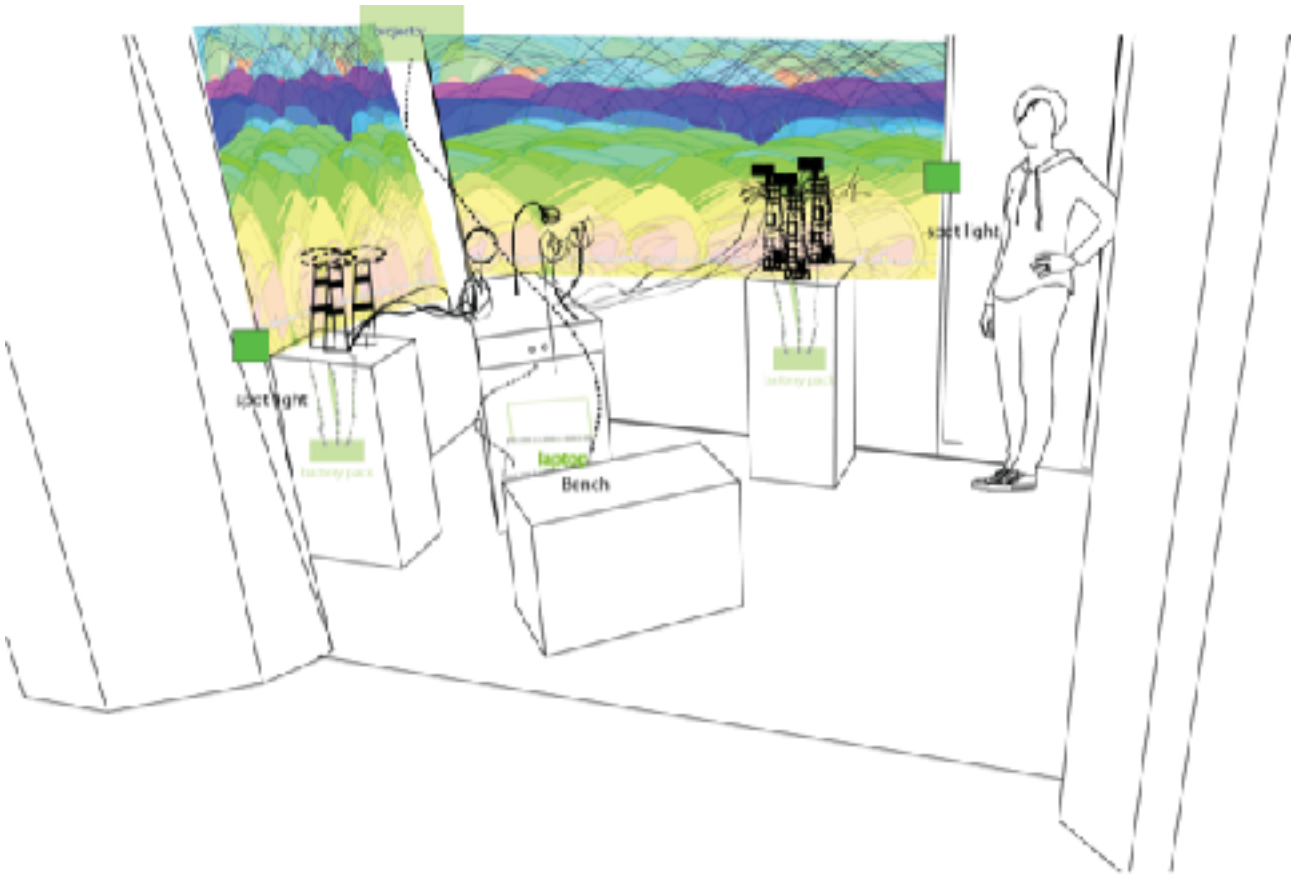
Will your work / installation of your work cause any noise hazards or disruption:
- **to the department/ other students?**
- **to the public?**

Speakers will produce a discourse which could be heard above the area of the installation

Will your work/ installation of your work affect the fire alarms/ smoke detectors?

Think about how sanding walls can trip the fire alarms.
Thinks about ways to reduce the possibility of your circuitry/ machinery overheating.

NO


spotlight
spotlight
laptop
Bench

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