

Lions Gate Courtyard Interactive Permaculture Garden

Edinburgh Napier University Merchiston Campus

Geo-location: 55.933334, -3.212618

Approximate garden size: 250sq metres

Approximate height above sea-level: 100m

Garden lies approximately NE to SW.

Watershed: lies between the Water of Leith 2km to the west and the North Esk 8 km to the east both of which flow into the Firth of Forth 6.5km to the north.

Other significant water ways: Union Canal (750m distant)

Prevailing wind is south-westerly.

Weather for Merchiston: https://www.worldweatheronline.com/v2/weather-averages.aspx?locid=2803094&root_id=827671&wc=local_weather&map=~/merchiston-weather-averages/city-of-edinburgh/gb.aspx

Setting: Urban/suburban

User groups: Students/staff/local community/global visitors

Issues: maintenance, shadow, microclimates, disabled access, wind, noise (from street and to library)

Budget: £50 000 approx

Local orgs

Merchiston Community Council: <http://www.merchistoncc.org.uk/>

Edinburgh Council

Sustainable Edinburgh 2020:

http://www.edinburgh.gov.uk/info/20206/sustainable_development_and_fairtrade/841/sustainable_edinburgh_2020

Elements:

Water harvesting

Solar harvesting

Wind harvesting

Fungi

Circular food system

Medicinal planting

Using water to reduce noise of traffic

Well-being area

Sensory garden area

Companion/guild planting

Interactive elements – garden app, haptic experiences, connecting garden to projects in the developing world, sustainability-focused art-works, experiences triggered by environmental conditions e.g. shadow, sun, temperature, rain etc

Outdoor cinema/classroom

Staging/seating for performances

Outdoor oven

Seating

Pond

Solar panels

Composting

Raised beds

Disabled access