

# ELECTRIC MEDWAY.

## CPD for teachers 2023/4

Welcome to Electric Medway. Our mission is to enable communities across Medway to get creative with new technology.

### Sonic classroom / 6 hours

Teachers will be supported to embed low cost sound-based technology into their classroom practice, trying out Loopy HD (live looping app), Soundtrap web sequencer (composition), and layering sound on phone voice recorders. You will also get to conduct a video game orchestra with GarageBand and create story soundscapes. There will be time to create and try out your own sonic activity with the group and consider how to embed this as a classroom activity.

*Links to: Computing; Music; composition, recording, History; oral history, Maths, English: Creative writing*

### Digital painting / 3 hours

Teachers will extend their painting and drawing techniques from paper/canvas to explore VR painting (Openbrush) within a headset and drawing on an iPad (Procreate). For the headsets, this is done collaboratively in pairs painting and drawing in a 3D space, requires communication, and a chance to develop new brush/shape/colouring skills. Consideration will be given on how this can be embedded as classroom activity.

*Links to: Art: Brush techniques, Drawing techniques, Colour theory, Perspective and scale. History: Fashion and costumes, Wider: Computing, Maths, Design Technology, English: Spoken Language.*

### Digital clay / 3 hours

Teachers will explore textures and clay modelling techniques, from both real-world materials and with digital clay on an iPad (Nomad Sculpt). This is a tactile, touch screen approach to moulding and manipulating 3D shapes, replicating the real world or using new tools to get creative with materials, lighting, meshes and skins. Consideration will be given on how this can be embedded as classroom activity.

*Links to other curriculum: Art: Textures, Model-making, Pottery, Materials. History: Local objects, Ancient Empires, Wider: Computing, Geography, English: Creative Writing.*

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## Digital photography / 3 hours

Teachers will uncover photogrammetry techniques that utilise existing digital photography skills on iPads (Scaniverse) to create photo-real 3D objects, scanning anything from a small coin and person, to the side of a school building. From this, teachers will be tasked with unpacking the 'skins' of the objects, and printing them to make a collaborative wall collage. Consideration will be given on how this can be embedded as classroom activity.

Links to other curriculum: Art: Dadaism, Surrealism, Architecture, Photography, History: Local objects and buildings, Wider: Computing, Science, Geography.

## Electric Medway Hack

From July-October 2023 / See full programme / Free

In July, we launch our first sector learning programme to help upskill artists and educators in new technology (including audio, 3D scanning/printing, AR/VR, game design, projection mapping, coding). This year features industry Masterclasses from Darkfield, Hey Green Raven and Signals, and launches paid commissions for Electric Medway Festival in October, which includes access to equipment and technical support. Hosted at A+E Lab, Chatham Dockyard. Open to teachers working in Medway. Many events are on Saturdays. Signing up to be a free member of the programme is required.

We also provide activities for pupils/students:

## Digital Camp / 6 hours / Holidays and weekends

Introductory activities that encourage young people to tell stories through immersive technology. They will make an: augmented reality trail, a 360 film and a soundscape production.

## Bespoke learning projects

We can work with young people to build a Digital Museum and Virtual Gallery or turn a classroom or hall into an Immersive Space using sound, animation and mapped projections.

## Electric Medway Festival / 27-29 October 2023

As part of our digital arts festival, we always have openings for schools to exhibit digital-based creative work. The festival runs in October and May each year.

Enquiries and bookings: Janet Moore, Executive Director

[janet@electricmedway.org](mailto:janet@electricmedway.org) or visit [electricmedway.org](http://electricmedway.org)

Studio 7, Sun Pier House, Medway St, Chatham, Kent, UK. ME4 4HF.