



Artform/ type of activity

- Drawing
- Photography/ digital lens based work
- Mini installation

Objectives/ outcomes

- To introduce participants to the creative use of technology by creating temporary installations, incorporating more familiar activities such as drawing
- To reinforce learning about species/ the environment / issues such as threatened or endangered wild populations
- To promote confidence in drawing
- To explore positive/ negative/ inverse images

Materials required

- Pictures of birds, one per participant – list of endangered birds, The Red List, can be used
- Tracing and drawing paper
- Pencils, sharpeners, rubbers
- Black liner pens
- Digital camera with a negative setting; this can be checked in the camera's menu, the manual and/ or the online manual for your make/ model of camera. Alternatively, images can be downloaded to computer/s then inversed through use of

Photoshop or other image manipulation software.

- White spherical paper lanterns/ lamp shades (approx 12" diameter)
- Data projector
- Laptop and cables to attach projector etc (extension cable, VGA)

Space requirements

- Classroom/ workroom with enough table top space for participants
- A space that can be darkened for the final show

Curricular links

- Links to Art and Design through: observation; photography; design and technology
- Links to Science through: biology; use of digital technology
- Links to ICT through: design and technology

Activity instructions

- Each participant chooses an image of a bird and either draws it free hand or traces it using tracing paper. The level of detail added will give a different effect depending on the desired outcome - participants should play around with this.
 - Transfer the traced image on to white drawing paper by placing the traced image drawing side downwards, on to the drawing paper and rubbing hard (using a pencil or similar) over the back.
 - Refine the new image, then go over it with a fine black liner pen – remaining pencil marks and smudges can be rubbed off.
 - Photograph the pen-drawn images using the negative setting on the camera. The photographed drawings should appear white on a black background.
 - Upload the photographs onto the laptop and rotate/ orient them to landscape format.
- Create a slideshow (for PC select all images and use 'create slide show' function).
 - Participant/s to then holds up the paper lantern/s as so that the images are projected on to it/ them.
 - This is your first installation.
 - The group can discuss developments – bigger/ more lanterns/ projection surfaces; other unusual projection surfaces; adding sound/s; adding words; exploring what type of images work best as projections; developing a short performance piece and so on.
 - A further development could be to experiment with projecting the images round the room using mirrors.
 - (Obviously these image generation/ projection techniques can be used to explore and enhance many topics and areas of the curriculum; these exercises are also a great way to develop team work and to develop skills in the use of technology.)

