

# Step-by-Step Instructions

## What you will need:

You will need the following resources:

- Recycled cardboard (you can use paper if you do not have cardboard)
- Pencil
- Scissors (ask an adult if you need help)
- A light source (torch, mobile phone)

And if you wish:

- Paper straws or bamboo skewers
- Sticky tape or glue



## Before you begin

Learn more about John Logie Baird, his connection to Hastings, and his pioneering work in developing the first television system.

Our 'Dreams and Ambitions' worksheet will help you to think about your own dreams for your future, your dream job, and what it might take to turn dreams into reality.

Don't worry if your shadow puppet does not work the first time. John Logie Baird spent many years conducting his experiments before he got it right!

Think about the silhouette (the outline of a shadow) that your puppet will cast. Make your design as big as possible and use bold shapes. Use our shadow puppet examples to practise with first if needed.

## Step 1

Time to make a Shadow Dreams Puppet. Draw or trace the outline of your shadow puppet onto a piece of cardboard.

You can use paper if you do not have any cardboard, but it may be a little floppy when you hold it up.

**TIP:** Use a white pencil to draw the outline on black cardboard or paper, it will be easier to cut out in Step 2.



# Step-by-Step Instructions (continued)

## Step 2

Carefully cut around the outline.

TIP: Ask an adult if you need help. They may also use a craft knife for precision.

## Step 3

If you want to make it easier to hold your shadow puppet, tape or glue a paper straw or bamboo skewer to the back of the puppet.



## Step 4

We know that when light is blocked by an object it casts a shadow. In a darkened room, use your puppet to block the light source (a torch or mobile phone) and cast a shadow on the wall.

What happens to the shadow if you move the puppet away from the light source?



## Step 5

Now share your work with us. Transmit an image of your shadow puppet and its shadow. Tag us using the following social media handles. Please ask a responsible adult if you need help, and always remain safe when posting online.



@Hastings\_Museum

@BubbleScruffHQ

#HastingsDigitalMuseum

#ShadowDreams

## Step 6

If you have time to take this project further, why not write a Shadow Dreams story. Find out how to design and make shadow puppets with moving parts. Perform your story in a homemade shadow puppet theatre or capture your performance on video. Share your story with family members - young or old - and include us on any social media posts!