



# AMAZING Muslims WHO CHANGED THE WORLD

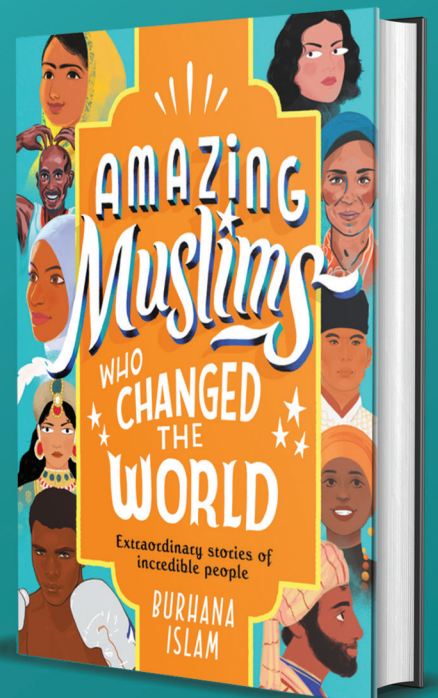
Do you think you know who first thought of the theory of evolution?

Have you ever wondered who created the oldest university in the world?

Is Joan of Arc the only rebel girl who led an army that you've heard of?

These activities have been taken from *Amazing Muslims Who Changed the World*, by Burhana Islam, a beautifully illustrated treasure trove filled with the real life stories of astounding, astonishing, awe-inspiring Muslim men and women who have changed our world. These activities feature just a handful of the brilliant figures who appear in the book, so once you've had a go at cracking the code like a super-spy, and creating your own superhero, be sure to pick up a copy to learn even more.

**From pirate queens to athletes,  
to warriors and mathematicians –  
who will your next hero be?**





# Can You Crack the Code?



**NOOR INAYAT KHAN** helped the Allies to decode and send secret messages from France to Britain using Morse code, a system of electronic communication. A coded message would be made up of a series of dots and dashes that stand for individual letters and numbers. It was sent over a telegraph, reaching its recipient in the form of whistling, buzzing or tapping. It was then the recipient's task to figure out the message and find out what it meant. Using the Morse alphabet, can you decode the message?

A •—	F ••—•	K —•—	P •—••	T —	X —••—
B —•••	G —•••	L ••••	Q —••—	U ••—	Y —•—•
C —•—•	H ••••	M —•—	R •—••	V •••—	Z —••••
D —•••	I ••	N —••	S •••	W •—•—	
E •	J •—•—	O —•—•			

•—•—   •

W   E           

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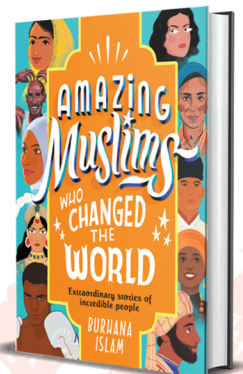
                   

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# Make Your Own Degree Scroll

**FATIMA AL-FIHRI** built one of the oldest universities, and her institution was the first in the world to give students degrees in the form of a scroll. Here's how you can make your own!



## What you'll need:

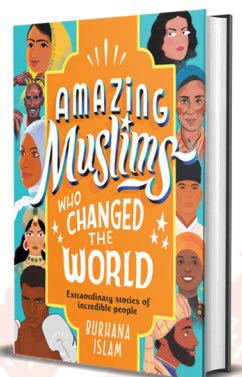
- A baking tray
- Teabags or instant coffee
- A sheet of paper (or more depending on how many scrolls you want to make!)
- Paper towels
- Teaspoon
- Boiled water
- A mug

**Make sure to ask an adult to help with this!**

## Instructions

1. Set out your baking tray.
2. Lay your paper inside it. If you want your scroll to look even more ancient, scrunch the paper up first and then lay it flat in the tray!
3. You can use either coffee or tea for the next bit. With the help of an adult, pour a spoonful of instant coffee grains into the mug and carefully add a small amount of boiling water, stirring until the coffee is dissolved. Alternatively brew a pot of tea. The more coffee or teabags you use, the darker the paper will be.
4. Let it cool.
5. Once the coffee or tea is cold, pour it over the paper in the tray. You can use a sponge to pat it all in.
6. Leave the paper to sit for a few minutes. Then, using paper towels, dab off the extra coffee or tea.
7. Put your tray near a warm radiator to dry or, if it's sunny, leave it on the windowsill. You'll be able to tell when it's completely dry as the edges will curl a little.

**You're now ready to write on the paper and give out your own degree scrolls!**







# Become a Persian Poet!



**RUMI** was an ancient scholar renowned for his powerful poetry, which is read and celebrated to this very day. His words came from deep within him and reflected the things that happened to him, as demonstrated in his poem 'On the Turn'.

Think about something you find exciting or feel passionate about and write a poem about it below!

## Top Tips

- Poems don't need to rhyme.
- They can be as short or long as you like.
- Why not write down a list of words you'd like to use to help you get started?
- Poems can be more powerful if they're about one topic.
- You can sprinkle in some description and questions to make your poem even more interesting.

## 'On the Turn' by Rumi

*I am so small, I can barely be seen.  
 How can this great love be inside me?  
 Look at your eyes. They are small,  
 But they see enormous things.*

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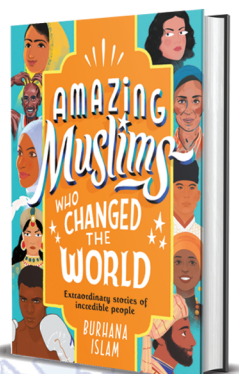
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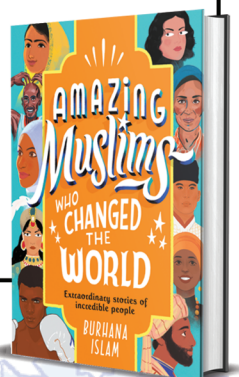
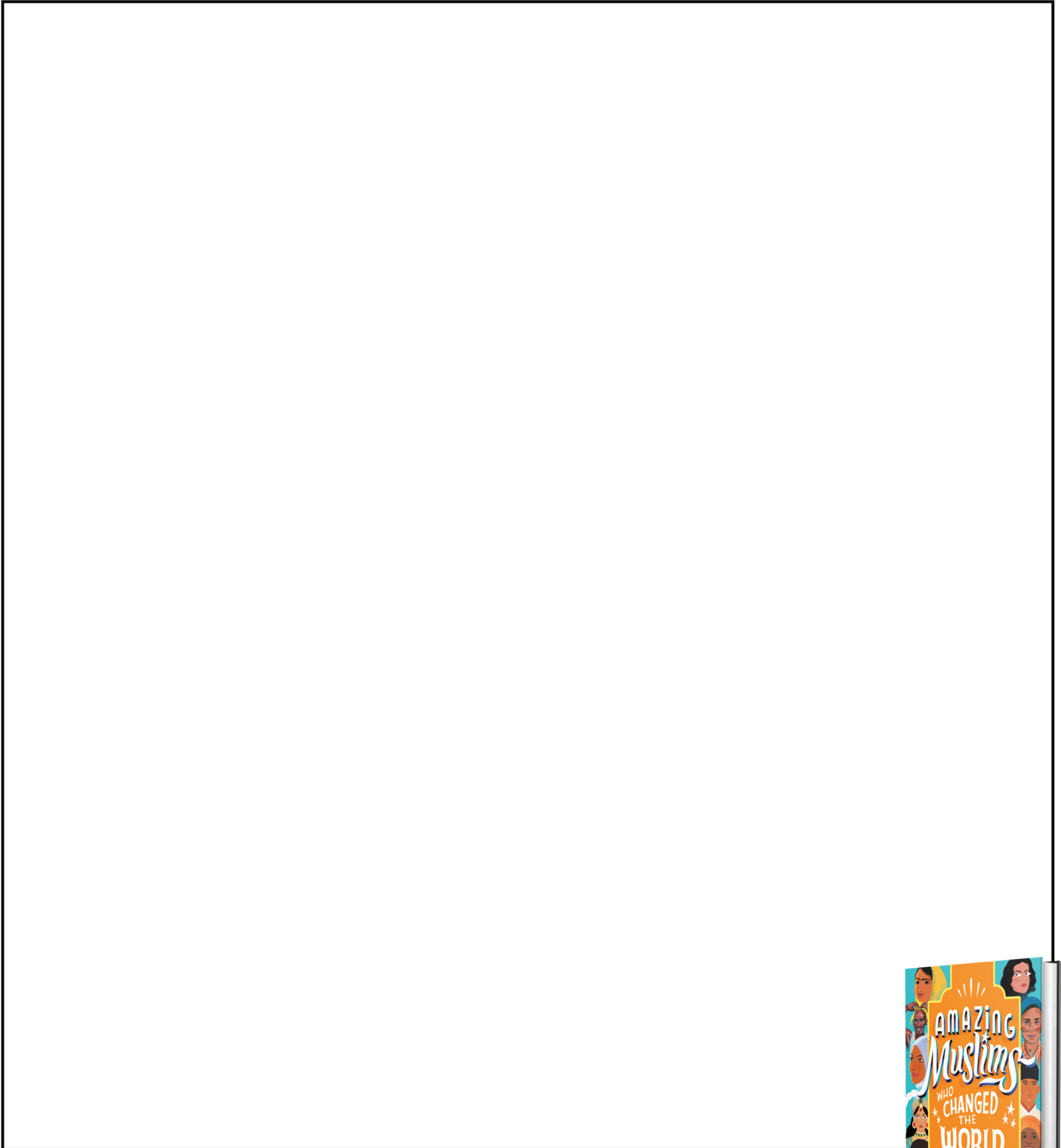






# Design Your Own Curved Building

**ZAHA HADID** was famous for designing beautiful, futuristic curved buildings. Design your own futuristic-looking building, and label it with all of its special features.





# Invent Your Own Superhero!

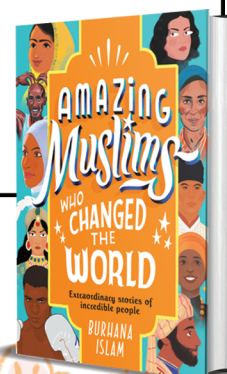
**G. WILLOW WILSON** is a superhero-inventing extraordinaire who created Kamala Khan a.k.a. Ms. Marvel. Now it's your turn to invent a superhero!



## **Here are some things to think about:**

- What is their superhero name?
- What about their real name?
- How old are they going to be?
- What are their superpowers? Do they have just one or lots like Superman?
- What is their disguise? Do they wear a cape and a mask?

**Draw them here  
and write a fact  
about them!**





# Create Your Own Showstopper

**NADIYA HUSSAIN** won The Great British Bake Off with a delicious and stunning showstopper. These bakes are known for looking extravagant with a mind-blowing taste. You can draw or write a description of your bake, making it as detailed or as simple as you like.



*Design your own  
showstopper here!*









# Make Your Own Camera

Using a rough version of a pinhole camera, **HASAN IBN AL-HAYTHAM** made a great scientific discovery: light travels into the eye and in a straight line.



## What you'll need:

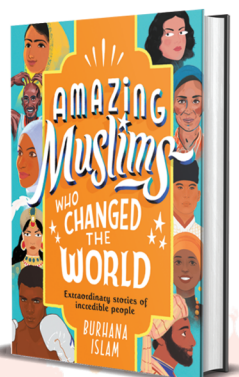
- An empty Pringles can
- Aluminium foil
- Pin or drawing pin
- 1 sheet of black paper
- Ruler
- Marker
- Scissors
- Tape
- Waxed paper

**Make sure to ask an adult to help with this!**

## Instructions

1. Using the ruler, measure three centimetres up from the bottom of the can and mark the spot. Repeat this several times round the can, then connect the dots to make a line going all the way round.
2. Ask an adult to help you cut the can along this line in two pieces (you should have a short part and a long part).
3. Ask an adult to make a tiny smooth hole in the centre of the metal bottom of the can (the short part) with a pin.
4. Put the can on the waxed paper and draw a slightly bigger circle round it.
5. Cut the circle out of the waxed paper and tape it over the open end of the short part.
6. Place the long part of the can back on top of the short part and tape them together so they make one tube again.
7. Wrap the tube in aluminium foil and tape it down. Make sure the metal part at the bottom is not covered.
8. Roll the piece of black paper into a tube and insert it halfway into the open end of the tube. This will help you look through the camera.

**You're ready to use your camera!**





# Colouring in

Have a go at colouring in this portrait of **MUHAMMAD AL-IDRISI**.

