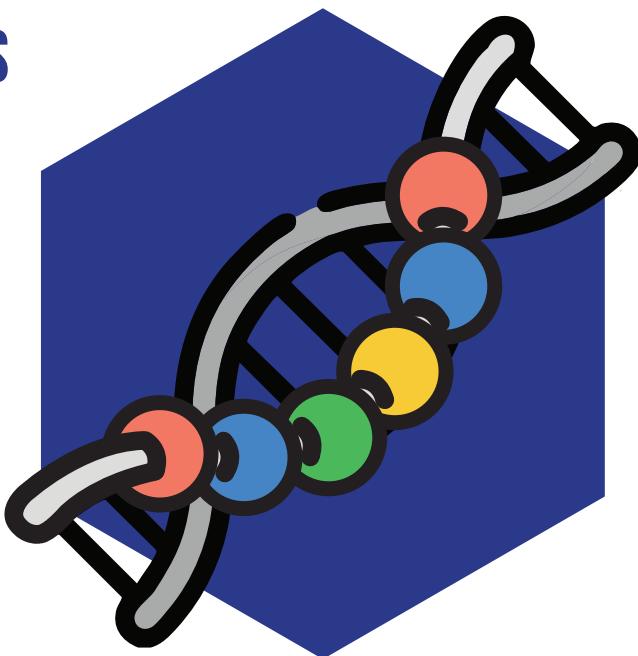




## FUN ACTIVITIES FOR KIDS

# DNA beads



### INTRODUCTION

This activity demonstrates how DNA is unique to each of us and that nobody has the same DNA.

### THE SCIENCE

DNA carries genetic material and is found in the nucleus of a cell. DNA is made up from 4 bases, cytosine, thymine, adenine, guanine and it's the order of these bases that determine a gene. Genes are responsible for how we look through to how our body works and we inherit genes from our parents. It's estimated that humans have around 20,000-25,000 genes each one having a different role. The nucleus of a cell contains 23 pairs of chromosomes, a chromosome is made up of a single strand of DNA that is coiled around proteins called histones to maintain its shape.

### WHAT YOU WILL NEED

- Beads: red, blue, yellow, green
- Thread/elastic & keyring chain

This activity takes

5  
mins

plus an introduction

### INSTRUCTIONS

Use the following template and get people to thread a coloured bead onto some elastic depending on their answers.

CHARACTERISTICS	COLOURED BEAD
HAIR COLOUR: <b>Brown</b> <b>Black</b> <b>Blonde</b> <b>Red</b>	<b>Blue</b> <b>Green</b> <b>Yellow</b> <b>Red</b>
HAIR TEXTURE: <b>Straight</b> <b>Curly</b> <b>Wavy</b>	<b>Yellow</b> <b>Blue</b> <b>Green</b>
EYE COLOUR: <b>Green</b> <b>Blue</b> <b>Brown</b>	<b>Green</b> <b>Blue</b> <b>Red</b>
FRECKLES: <b>Yes</b> <b>No</b>	<b>Red</b> <b>Yellow</b>
CAN ROLL TONGUE: <b>Yes</b> <b>No</b>	<b>Green</b> <b>Blue</b>

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