

Lesson Plan

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Neuroscience Into Education

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LESSON PLAN - HA DNA and Genetics

Slide	Subject	Description	Timing
1	DNA & Genetics	Introduction to today's lesson	1 min
2	Genes	Ask around the class: Who knows what 'genes' are?	2 min
3	Answer	Introduction to DNA	2 min
4	Activity	Ask the students to write down the names of 5 organs they have in their body. Draw a simple diagram to show where they think they are.	10 min
5 - 8	Cells	This is what a cell looks like and what they do.	5 min
9	DNA	Can anybody pronounce this long word? (DeoxyriboNucleic Acid) DEE OXY RIBO NUCLEIC.	1 min
10	Activity	Students to pair up and take a 3m piece of string and twist in until it is in a ball. What else can they find in the class which is 3m? This will give them an idea of how tiny, yet how 'huge' a DNA strand is.	8 min

Powerpoint Example

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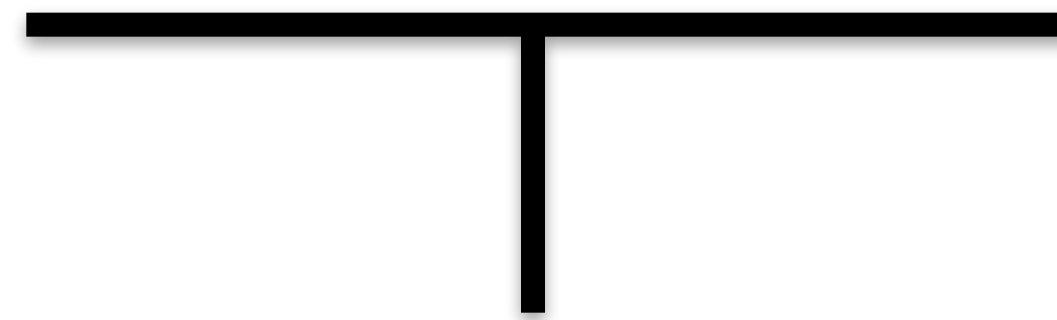
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Looking at DNA and Genetics

You probably heard friends and relatives saying: “You are as bright as your Mum!” or “ You are as handsome as your Dad!”



This is because you inherited these characteristics from your parents!
To be precise: you inherited your parents' **GENES**.



But what are genes?

- Genes are bits of DNA that make you who you are!
- But let's take a trip to the world of **genetics** (= science of genes) and **DNA**!

This is you!

- You consist of organs and tissues
- Organs like your **heart** or your **brain**
- Tissues like your **skin**
- They consist of many cells



Teachers Worksheets and Guides

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Teacher Evaluation Assessment

DNA & GENETICS

1. How challenged by the work did the pupils appear to be?
2. Did pupils ask any questions?
3. Were those questions covered in the materials?
4. Did the pupils engage enthusiastically in the activities?
5. Did any student lose interest at any point?