



# ENGLISH

## Chapter 10

**3rd**  
SECONDARY

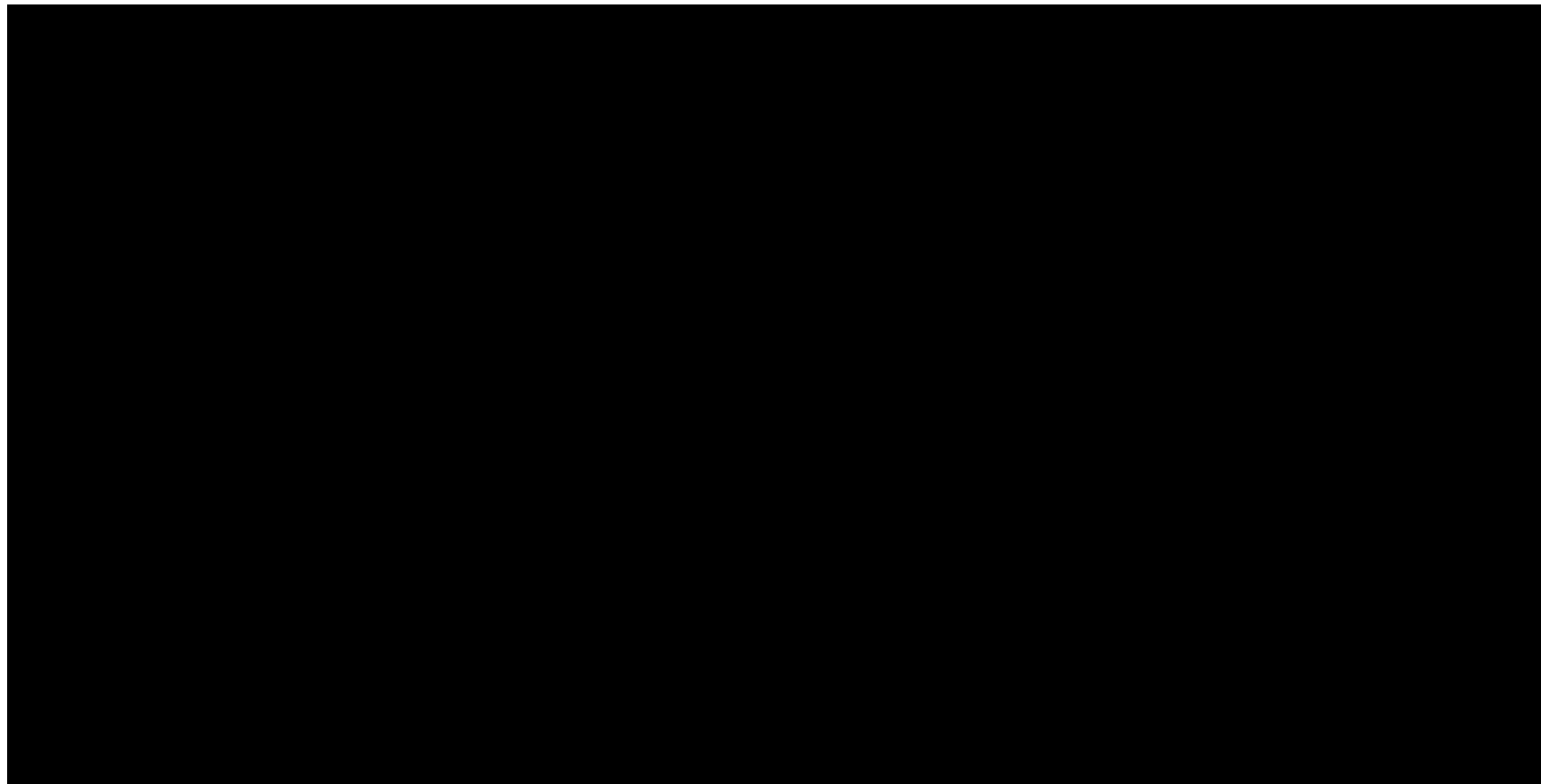
**INVENTION**

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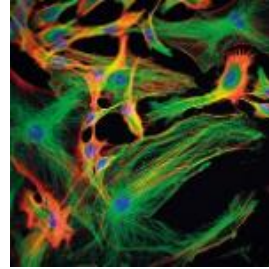
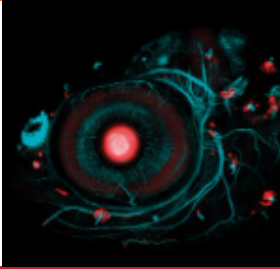
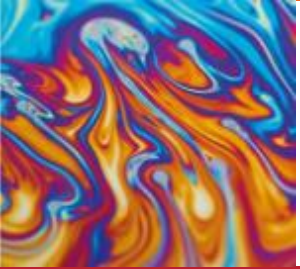
 **SACO OLIVEROS**

# MOTIVATING STRATEGY







## Invention



**WDYT?**  
(What do you think?)

What makes a good invention? What's the best way to present it to people?

# Jobs in science

- 1**   Work in pairs. Look at the jobs. Add any more jobs in science you can think of. Which job is the most interesting? Why?

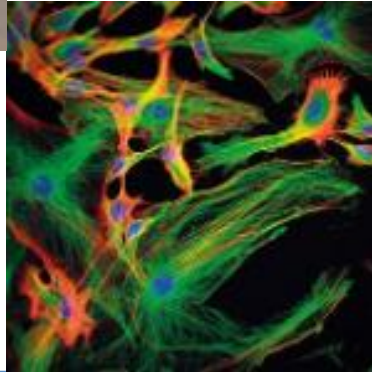
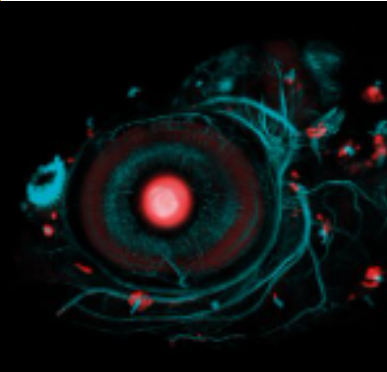
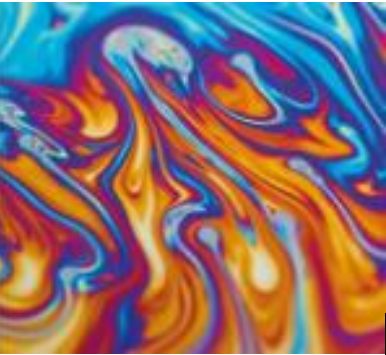
biologist   chemist   doctor   engineer   entrepreneur  
inventor   physicist   researcher   scientist

## 2 Complete the table with the jobs in exercise 1.

<i>-er / -eer</i>	<i>-or</i>	<i>-ist</i>	other spelling
<i>engineer</i> researcher	<i>inventor</i> doctor	<i>scientist</i> biologist chemist physicist	<i>entrepreneur</i>

# Verb and noun collocations: science

- 3** Look at photos 1–5. What do you think these things are? Use your imagination!



a How can you write or draw and erase it out? A scientist **came up with** the solution in 1795 by putting graphite between two pieces of wood. Engineers **developed** this product to make the popular modern pencil. That's how they **invented** it!

b Believe it or not, this is part of a mouse's brain! A biologist took the picture when she was **investigating** vision and how the brain works. She hopes to **make** some exciting discoveries.

c This is actually a soap bubble in water. The image was taken when scientists were **researching** how foam is made by drinks and washing up liquid.

d Imagine wearing this! Researchers **created** this invention to record brain activity. They **designed** the device to fit on someone's head. They were **doing** research to see how people's feelings change when they go to different places.

e It might look like modern art, but it's a fish's eye. The Zebrafish's eye responds to movement in water and scientists are hoping to **discover** how it does this. They are **doing** experiments to find out.


## 4 In pairs, match photos 1–5 to descriptions a–e.

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come up with a solution  
create an invention  
design a device  
develop a product  
discover something  
do research  
do an experiment  
invent a product  
investigate something  
make a discovery  
research something

**5**  Read the texts again and find the collocations. Match the verbs with the nouns in the boxes.

come up with   create   design   develop   discover  
do x2   invent   investigate   make   research

a device   a discovery   an experiment  
an invention   a product x2   research  
( a/the) solution   something x3





Work in pairs. Circle the correct option and answer the questions. Then write 3–5 more for another pair.

## How much do you know about science?

- 1 Who **invented** / **discovered** the cell phone? Martin Cooper
- 2 Who **created** / **investigated** the radio? Guglielmo Marconi
- 3 Who **discovered** / **developed** radium and polonium? Marie Curie
- 4 Who **made** / **came up with** the idea of the internet? Tim Berners-Lee
- 5 Who **developed** / **did** early computer codes? Ada Lovelace
- 6 Who **discovered** / **invented** penicillin? Alexander Fleming



Thank you

