**The scientific method (video)**

**A/ Answer the questions to help you understand the document in details**

**Anticipation:**

a/ What is the scientific method? Use your knowledge or search a short definition online.

b/ Do you use the scientific method in your everyday life?

**1/ 0’00-0’32: check your answers to a/ and b/ above (note down the definition given).**

the scientific method is about ordinary people doing ordinary things. It's a process, or steps taken, to produce reliable results to answer a specific question.

In everyday life: search a phone: observation, research, hypothesis, experiment, more observation, more research, more hypothesis and experiment, then a conclusion, and share results

**2/ Complete the steps with the example given**

Observation: couldn't find cellphone

Research: thinking about the last time you have it

Hypothesis: suspect in the pocket of the pants

Experiment: check this

Second observation & more research: your cell-phone is not in your pocket of the pants, remember before

Second hypothesis: an over hypothesis (backpack's school)

Second experiment: check it

Conclusion: find it, you can continue

Share results: so happy so share results to your best friends

**B/ Now, prepare the recap.**

**a/ Go through the corrected worksheet and highlight the words/expressions/phrases that you will re-use in the recap.**

Scientific method, process, steps, produce, results, specific question, observation, research, hypothesis, experiment, conclusion, share results

**b/ How is the document organised? Can you give a one-word title to each part?**

2 parts: definition and an example

**c/ What do you understand in the sentence: “*Maybe you think you don’t use a scientific method in your life, but I can guarantee that you do*”?**

even if you don't realize it, you apply the scientific method in your everyday life to solve basic problems.

**d/ Think of a basic problem you have experienced recently or imagine one you could experience. Write the different steps of the scientific method you have followed to solve the problem.**

To debug a program:

Observation: an error in the terminal

Research: research the line in the code which is causing the problem.

Hypothesis: it's because I forgot the endLine of the line

Experiment: add the endLine, recompile the program in the terminal

Conclusion: we don't have an over error, so that's great

**e/ Now write the recap. You can reuse the example of the document or your own example (you can work individually, in twos or in threes).**

**The scientific method is composed of different steps: the observation, the researches, the hypothesis, the experiments and the results.**

**The scientific method is used by ordinary people doing ordinary things in daily for example when you lose your phone and that you want to find it, you elaborate a hypothesis and a solution to solve the problem.**

**People don’t realise that they use it because they think that is reserve to scientists.**

**-------------------**

**C/ Think about the topic of this semester: *What is the role of Science in everyday life?* How does this document illustrate it?**