



State of Libya
Ministry of Education
Curriculum and Educational Research Centre

21st CENTURY

English for Libya

Secondary 2

Scientific Section
(القسم العلمي)

الدرس الخامس

المدرسة اليبية بفرنسا - تور

العام الدراسي

1442 / 1441 هـ . 2020 / 2021 م

Garnet
EDUCATION

Lesson 2: Doing an experiment

A Listen and read.

Umair and David are making an **electromagnet** in their science class. Umair is reading the instructions. David is doing the **experiment**.

Umair: We've got everything, haven't we?

David: I think so. We have a large **iron nail**. We have some **copper wire**. We have an **AA battery**. We have a few **paper clips**. And we have some **tape**.

Umair: OK. Let's get started. Wrap the wire around the nail.

David: Like this?

Umair: No. Look at the picture. Don't wrap it straight. **Wrap** it at an angle.

David: How's this?

Umair: Don't wrap it tightly. Wrap it around eight or nine times. Leave about 5 centimetres of wire free at each end.

David: OK. Done.

Umair: Good, but be careful. Don't **overlap** the wire.

David: Like this?

Umair: Perfect. Now, stick one end of the wire to the bottom of the battery with the tape. Then, stick the other end to the top of the battery.

David: Done. So, is this an electromagnet?

Umair: I hope so. Can you **pick up** the paper clips?

David: No ... it's not working.

Umair: Slow down! If you go too fast, they fall off.

David: I've got one!


Umair: You see? If you pick up the clips one by one, they stick to the nail.

David: I've got another one. And another! Wow. This is really cool.



B Work with a partner. Find the words in green in the text and work out their meaning. Use a dictionary if you need to.


C Study the rule then find other examples in the conversation.

 Explaining processes: Giving instructions

• **When we give instructions, we can use:**

imperatives - **Wrap** the wire around the nail. **Don't wrap** it straight.

zero conditionals - **If you go** too fast, they **fall off**.

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D Now do Exercises A to G on page 18 to 21 of the Workbook.