

THE STRIVING

MUSLIM ACADEMY

Islamic and Academic Education

STAGE 1 · COMPUTING · USING TECHNOLOGY

Using technology

Everything the questions ask about is taught on the page before them, so nobody has to know the computing beforehand.

WHAT IS INSIDE

- What a computer is for
- Computers you do not call computers
- Go and do this
- How each one is worked

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2 topics · something to do at the end

Written for a parent teaching at home. No training assumed, and nothing else to buy.

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What a computer is for

Read this first. Then answer the questions underneath.



A computer does four things with information.

It lets you make something: a picture, a story, a sound.

It lets you keep it, so it is still there tomorrow.

It lets you change it, without starting again.

It lets you find it again later.

Making, keeping, changing and finding. Everything else a computer does is one of those four.

The curriculum calls them create, organise, store, manipulate and retrieve. Those are the same four with longer words: organise and store are both keeping, and manipulate is changing.

1. What four things does a computer do with information?

They are listed together at the end.

2. What does keeping something mean?

Look for the word keep.

3. What does changing let you avoid?

Two words.

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Computers you do not call computers

Read this first. Then answer the questions underneath.



A computer is anything that follows instructions to do a job. Most of them do not look like one.

A washing machine has a computer in it. So does a microwave, a traffic light, a bus that shows the next stop, and a till in a shop.

Each one was given instructions by somebody, and it follows them exactly, every time, without deciding anything for itself.

All of these are common uses of information technology beyond school, which is what the curriculum calls them.

1. What is a computer?

The first sentence.

2. Name three things with a computer in them.

Several are listed.

3. What does a computer never do?

The last sentence.

4. WORK IT OUT A traffic light changes on its own. Why is that not the same as deciding?

Who decided when it would change?

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How each one is worked

The answers to the **work it out** questions are model answers. A child who says something different and can show you where on the page it came from has done the work.



WHAT A COMPUTER IS FOR

1. What four things does a computer do with information?

1. The passage says making, keeping, changing and finding.
2. So that is the answer.

Answer: **Making, keeping, changing and finding**

2. What does keeping something mean?

1. The passage says it lets you keep it, so it is still there tomorrow.
2. So that is the answer.

Answer: **It is still there tomorrow**

3. What does changing let you avoid?

1. The passage says it lets you change it, without starting again.
2. So the answer is **starting again**.

Answer: **Starting again**

4. WORK IT OUT Why is being able to change something useful?

1. A drawing on paper has to be redone to be changed.
2. The passage says a computer lets you change it without starting again.
3. So a mistake costs a moment rather than the whole piece.

Answer: **Because you do not have to start again from the beginning**

COMPUTERS YOU DO NOT CALL COMPUTERS

1. What is a computer?

1. The passage says a computer is anything that follows instructions to do a job.
2. So that is the answer.

Answer: **Anything that follows instructions to do a job**

2. Name three things with a computer in them.

1. The passage names a washing machine, a microwave, a traffic light, a bus and a till.
2. Any three of those is right.

Answer: **A microwave, a traffic light, a bus that shows the next stop, and a till in a shop**

3. What does a computer never do?

1. The passage says it follows them exactly, every time, without deciding anything for itself.
2. So that is the answer.

Answer: **Deciding anything for itself**

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SAMPLE PAGES

You have read a few pages. The pack is longer.

What you are holding is a short sample, taken from different parts of the pack so that you can see how a week is planned and what a child is actually asked to do, before you decide.

The complete pack, and the rest of the academic materials, are on our website: schemes of work for a parent teaching at home, and practice packs for the skills children get stuck on.

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Islamic and Academic Education

Members of the homeschool community do not buy these. If you have joined the community, the pack for the term you are working on is given to you at no cost.

Our Islamic Education classes are free. These packs are part of what pays the teachers who teach them.