

Thinking ahead (1)



All jobs need you to think ahead. This is called **logistics**.

Put these in the right order to make spaghetti with tomato sauce.

- Cooks need to think ahead and get things in the right order.
- Think of two things that a cook could do in the **wrong order**.
- Make up the **funniest** mistake you can and exchange ideas with a partner.



peel onions

put spaghetti in pan



add garnish

de-seed peppers



put sauce on top of spaghetti

add salt and pepper

mash tomatoes

put spaghetti on plate



fry onions and peppers

put water in pan

add tin of tomatoes

slice onions and peppers

boil water



Thinking ahead (2)



All jobs need you to think ahead. This is called **logistics**.

Put these in the right order to build a garage.

- Builders need to think ahead and get things in the right order.
- Think of two things that a builder could do in the **wrong order**.
- Make up the **most expensive** mistake you can and exchange ideas with a partner.



lay the concrete base

paint doors



fit electric sockets

dig foundations



fit windows

plaster the interior walls

get planning permission

put on guttering



fit overhead lighting

put on roof

paint windows

fit doors

build walls



Thinking ahead (3)



All jobs need you to think ahead. This is called **logistics**.

Put these in the right order to set up for a gig.

- Roadies need to think ahead and get things in the right order.
- Think of two things that a roadie could do in the **wrong order**.
- Make up the **most dangerous** mistake you can and exchange ideas with a partner.



unpack stands

locate venue



contact venue staff on arrival

unpack cables



find out about parking

unload van

gaffer tape trailing cables

unpack instruments

plan route

connect all cables

unpack speakers

load van

carry equipment into venue



Thinking ahead

These three lesson starters are designed to link thinking about careers to activities suitable for the mathematics classroom.

Starters

Thinking ahead (1), (2) and (3)

Planning for teaching

Logistical thinking is key in almost all jobs. **Thinking ahead** considers a sequenced task that might be undertaken by a cook, by a builder and by a roadie. Pupils are asked to put the sub-tasks in the right order. There is more than one solution to each task. This can be used to provoke a discussion related to critical path analysis – if more than one worker is available, which sub-tasks could be done at the same time? Which sub-tasks *must* be done before others?

Want to know more?

Contact STEM Subject Choice and Careers
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The Centre for Science Education
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Tel: 0114 225 4870

or for more information on careers go to Maths careers at www.mathscareers.org.uk/
or Future Morph at www.futuremorph.org/

A Department for Education initiative to promote subject choice and careers in Science, Technology, Engineering and Maths (STEM) delivered by the Centre for Science Education at Sheffield Hallam University and Babcock.

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