

U2-1.1a Change it up: Make a Lego sandwich

Do you know how to make a peanut butter and jam sandwich? Could you teach a robot?

There are lots of things that you know how to do so well that the task seems very easy. These 'easy tasks' can actually be made up of lots of individual steps, however. Making a peanut butter and jam sandwich is a good example. To make a sandwich, you have to do many different things, and you have to do each one in the right **sequence** to end up with a sandwich.



Jargon buster

Sequence means going in order, step-by-step.

Task 1: Write down how to make your own Lego sandwich step-by-step

1. Make a Lego sandwich. Write down each step sequentially so a friend can build your sandwich without looking at it. Get creative making more foods with instructions if you have time..

Take long yellow Legos. Add four small brown Legos on top of the yellow Legos. Put two more long yellow Legos on top of the brown Legos.

NOTE: Any instructions – even full of errors – are fine. Alternatively, you might have students 'fix' their answers and submit those to demonstrate an understanding of the key concepts of exacting and sequence.

Task 2: Follow the directions

Give your instructions to a fellow student and have them follow the directions exactly how they are written above, to make your Lego sandwich. Be sure you follow the directions EXACTLY as they are written. **Don't show them your original creation until they're done building!**

2. Does the Lego sandwich that your friend created match the sandwich that you had in mind?

Yes! It turned out like a burger with a brown patty and two buns!