

The Big Exploration Week Five: Your Research

Hello! My name is Emily and I look after Year 5 to Year 9 outreach at Oxford Brookes University.

Hi guys! my name is Will and I work for Oxford Brookes University.

Hi everybody, my name is Catrin and I'm a current student at Oxford Brookes University

And this is The Big Exploration - Week Five: Your Research!

Hello everybody and welcome back to The Big Exploration Week Five! A massive well done for making it this far! We're really excited this week because now it's your turn to do your own research. Over the past few weeks we've given you a lot of information about the different topics you can research, as well as some weird and wonderful real life examples of research!

Thank you to everybody who has submitted work so far - we've looked at all of it and you all have some really, really brilliant ideas! Now it's your turn to bring that research to life, because this week's task is to do your own research project!

We've broken down all the steps you need to do your own research project, and we're going to talk you through them now.

So, step one for this week's task is to decide which area interests you. So let's look back at our worksheets for the last three weeks and have a think about what interests us the most, and maybe what we enjoyed the most!

Step number two is to come up with your research question. Now we've decided which area we're going to look at, we can have a think about what question we want to answer! Can you research any of the questions we've already come up with? Or maybe we should have a think about what we can investigate where we live and with what's around us.

Step three is to do some background research. So, you need to try and find out a little bit more about the question you've decided to research. Maybe think about what questions would help you to carry out your investigation. Try and think of 5 questions! And don't forget to write down the answers and where you found them.

Step four is to make a hypothesis. When researchers come up with a question they make what's called a hypothesis - this is a prediction, or a guess, about what the answer to that question might be. So why don't you make a prediction, or a hypothesis, about what the answer to your question might be! Remember, it doesn't matter at all whether it's right or wrong.

Step five is to plan your research. So before you start an investigation it's very important to plan how you're going to do it. So, things like what equipment do you need? If you are doing an experiment how many times will you do it and how will you make sure your experiment is the same every time? Or, how will you measure your research? There are so many different questions we need to think about, so it's really important to plan.

Step six is to record our data. You'll probably need some sort of table to record your results in, so it's a good idea to get one of those prepared before you start! But remember to leave room in case you find something new and exciting that you weren't expecting that you need to record.

You'll find all these steps broken down in detail on this week's worksheet. We've also given you examples of the type of research you could do in Science, English and Maths just to get you started. There's then room on the sheet for you to do your very own research project following these steps.

Now it's time for you to get going! We can't wait to see what you come up with.

Next week we're going to help you analyse all of the data you've collected, and then show you how to present it to the rest of the world!

Don't worry, we haven't forgotten about your fab questions that you've submitted. So this week, while you're busy researching we'll be busy finding out the answers, so look out for those answers coming soon!

Thank you so much for joining us this week. We've had so much fun and we hope you have a great time carrying out your research questions. So have so much fun, and we'll see you next week! Take care guys, bye!