

## NICER Curriculum: Home Learning Challenges

Year Group: 4

Challenge Pack: The Big Adventure

*Challenge: Can we plan a fair to share our Big Science Adventure?*

*Outcome: Science Fair*

How Hungry are you for a Home Learning Challenge? How many Challenge dishes will you choose?

Choose which Home Learning Challenges you would like to complete from the Menu of Dishes below.

How Hot do you like your Meal?! The hotter the dish you chose, the more challenging it will be! Yellow: Warm, Orange: Medium, Red: Hot

### Small Dish Challenges

You could chose to complete just 2 of these, or more, or chose 1 to start you off before moving on to a Large Plate Challenge!

Label countries on a given map of Europe. Then, label the capital cities from these countries on to your map.

Create a questionnaire about which Scientific discovery has changed the world the most. Create a bar chart to show your findings.

Choose a starting location from the UK where you could travel on rivers or canals. Plot a route to your own choice of location in Europe.

### Large Plate Challenges

You could chose to complete just 1 of these spending a number of weeks on this and building up your learning every time!

Select a favourite recipe to bake. Present your recipe and make the product. Which of the ingredients were liquids, solids and or gases? Did any change states? What in your cooking caused the changes?

Choose a Scientist from modern times or history. What can you discover about their work? How has their discoveries changed the world? Can you re-create any of their famous experiments? How can you share what you've learnt with others?

Choose a country from Europe and research what it is like. Use an OPV to write a diary entry as if you have just moved to this country and describe how you are feeling, what you can see, smell, taste and hear.

<b>Name:</b>		<b>Class:</b>	
<b>Small Dishes</b>		<b>Large Plates</b>	
Using a blank map of Europe, label the countries in the continent that you can identify. Add to these with your research. Then, label the capital cities from these countries on to your map.		Select a favourite recipe to bake. Present your recipe and make the product. Which of the ingredients were liquids, solids and or gases? Did any change states? What in your cooking caused the changes?	
Create a questionnaire about which Scientific discovery has changed the world the most. Create a bar chart to show your findings.		Choose a country from Europe that you would like to visit. Research what it is like such as the temperature, the landscape, the food and culture. Use an OPV (Other people's views) to write a diary entry as if you have just moved to this country and describe how you are feeling, what you can see, smell, taste and hear.	
Looking at a detailed map of the UK, choose a starting location from the UK where you could travel on rivers or canals. Plot a route to your own choice of location in Europe. Label your route on your own map, including some of the cities or towns that you travel past.		Choose a Scientist from modern times or history. What can you discover about their work? How has their discoveries changed the world? Can you re-create any of their famous experiments? How can you share what you've learnt with others?	

Which dishes have I chosen?

What have I completed and created?

How have I found completing the Challenge Pack Homework?