



Year 5 Project Overview:

The children work in groups to set up a farm shop business and design, make and market a new lunchtime food product using ingredients they have grown themselves.

Stage 1: Exploring seeds

- Discuss plant lifecycles and seasonality
- Explore seeds and problem solve to decide which crop to grow
- Introduce marketing
- Create a brand

Stage 2: Plant reproduction

- Science lesson on sexual reproduction in plants

Stage 3: Growing ingredients from seeds

- Plant seeds
- Maths opportunities when measuring water, measuring plant height, plotting & reading a line graph, converting between mm & cm

Stage 4: Growing ingredients without seeds

- Science lesson on asexual reproduction in plants
- Grow vegetables from cuttings
- Think critically about sexual v asexual reproduction in plants

Stage 5: Designing a healthy recipe

- Discuss healthy eating & nutritional requirements of target market
- Design healthy recipes to appeal to target market

Stage 6: Conducting market research

- Maths lesson on survey design, drawing bar charts and pie charts

Stage 7: Budgeting

- Shop for ingredients
- Work within a budget
- Maths lessons on calculating with money
- Maths lessons on applying calculation methods to multi-step problems
- Problem solve to adapt ideas

Stage 8: Calculating expected profit

- Maths lessons on calculating with money
- Maths lessons on applying calculation methods to multi-step problems

Stage 9: Making a food product

- Food technology lessons on food preparation
- Maths opportunities: reading scales, measuring accurately, scaling up recipes, calculating with fractions

Stage 10: Marketing a food product

- Plan a fair test
- Investigate effectiveness of packaging materials
- Discuss responsible packaging
- Design packaging
- Make an example of eco-friendly packaging
- Write & perform advertisements