

## Our Big Question...What is the future of Food?

The world around us is full of living things which depend on each other for survival. Food is critical to our survival. This project will teach you about the food industry and help you to learn where and how food is produced. We will look at how our choices about what food we put into our body can have an impact on our health. We will learn how to make good choices.

### Exciting Experiences...

The project will be launched with lots of activities that relate to food in real life. We will...

- Be testing lots of different foods using microscopes and binocular viewers
- Taste testing of some foods
- Looking at real-life food processing plants

### WHAT PRIOR KNOWLEDGE IS GOING TO HELP ME WITH THIS PROJECT?

It will help you to have some basic knowledge about plants and animals and some research about classification. What are your views and ideas about farming. It will also help to have some general knowledge about food and food groups

### In this project you will learn...

- All about animal, plant and fungal cells.
- How to use a microscope and prepare a slide.
- All about cell organisation and specialisation.
- What is the structure of a plant.
- Where does food come from?
- Specialist diets eg religions, allergens

- How plants and animals reproduce, ie sperm and egg, pollen and ovule.
- About sexual reproduction.
- About gestation periods.

- Some methods used to increase food productivity such as greenhouses, hydroponics, fertilizers, pesticides, herbicides, GM and selective breeding.
- Why is a vegetarian diet better for our world than meat eaters.

- How to be able to create a food-chains and /or webs. Dependence of organisms along the food chain.
- Key terminology of ecology.
- To understand the independence of organisms.

# How will I be assessed?

### Your Tasks...

1	Creating a model cell
2	Create a food chain and /or web from an ecosystem of your choice. Identify producers and types of consumers.
3	Creating a storyboard for fertilisation
4	Debating a food issue

### The Showcase

We are going to share some of our work with each other and our home learning tasks will allow links with parents.

