

## MATERIALS

- Poster paint such as Creall Dacta color
- Clay such as Creall Therm soft
- Attachment: "Growing Food - Needed for Food Production"
- Pencil
- Paper
- Cardboard
- Brushes

## LEARNING OBJECTIVE

Add and subtract using standard procedures with numbers in context situations and in formal mathematical language. Discover the complexity of food production chains and their relationship to sustainability.



# GROWING FOOD



1

Conduct a discussion about food production and sustainability. What are healthy foods? What is sustainable food? Divide the class into groups of up to 4 students. Give each group the necessary materials.



2

Have the students calculate how much food is needed for the village. Then they choose products to grow and calculate the area required for each product.



3

Have the students calculate the total size of the field. The students create a scale model of their field using clay and paint.



4

Once the field is ready, the students calculate how much water, energy, and CO<sub>2</sub> emissions are involved. Which group has created the most sustainable field?

