



UNIVERSITY OF  
EASTERN FINLAND

# Everyday products life cycle



This project has received funding from the  
*European Union's Horizon 2020 research and  
innovation programme* under grant agreement

No 665100.



<https://www.youtube.com/watch?v=YcWsSWvO-Tw>



# Chemical products...

- 1) Plastic industry
  - 2) Cosmetics industry
  - 3) Medicine industry
  - 4) Paper industry
  - 5) Textile industry
- .....



You will be given one product group of the chemical industry and 1-2 products from this group...

THINK about the following issues...



# Think about...

- 1) What are the raw materials needed for the product?
- 2) Where is the product manufactured?
- 3) What do you know about the process of manufacturing the product?
- 4) What occupations are related to the manufacturing process?
- 5) What is the life cycle of the product like?

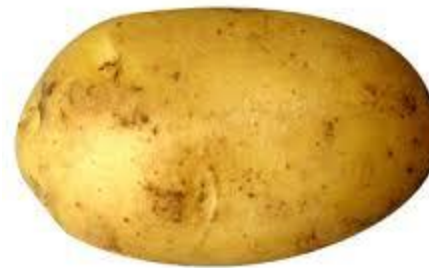


Collect your ideas on the paper and prepare to present your ideas to the group.

You have 20 minutes time.



# Which materials are used for the crisps?





# Where are the crisps produced?





# How the crisps are produced?

Potatoes are sliced very thin and baked crispy and then cooled, seasoned and packed for sale. The most simple crisps are only deep-fried and salted. Crisps are in Finland important product in food industry.



# What kind of careers?

- Potato farmer
- Managing director (CEO, chief executive officer)
- Production manager
- Sales secretary
- Sales manager
- Product developer and quality expert
- Media and sales assistance



# Home task

- Prepare a presentation about the chosen industry and use the online application to share the document to the teacher and to others.
- In the presentation, consider following issues:
  - Explain the main features of the manufacturing process concerning chemistry.
  - Describe the product life cycle and define an end to your product.
  - Present evidence about the environmental burden of the manufacturing process and about the consumption of the product.
  - Find out about the specialists needed for the product manufacturing.
  - Interview a specialist from the industry.

