

Scheme of Work

	Lesson 1	Lesson 2	Lesson 3
Length	Approx. 1 hour	Approx. 1 hour	Approx. 1 hour
Objectives	 To identify different macro and micronutrients and be able to describe their functions in the body. To identify the different organs involved in digestion and describe what they do. 	 To identify and justify different processing methods. To explore behaviour nudging as a tactic to encourage consumers to buy certain food products. 	To produce a presentation that combines their understanding of food chemistry, processing and marketing.

Lesson plans for each session can be found on the following pages.

Lesson 1 plan

Starter activity	Learning objectives
Students try to identify key	To identify different macro and micronutrients and
macronutrients and micronutrients from	be able to describe their functions in the body.
the food label on Step 1.5, and try to	
guess what the food item is.	To identify the different organs involved in digestion
	and describe what they do.
Main activities	Resources required
The teacher then reveals the food item from Step 1.6 of the course.	Access to FutureLearn course.
·	2. Devices to watch video on.
Students use the information in Step 2.7	Assessment for Learning
and 2.8 to create a table that	Identifying macro and micronutrients.
summarises the main functions of each	Flow diagram of diagostics
micronutrient in the body.	Flow diagram of digestion.
	Differentiation
In pairs, students complete the exercise on Step 2.10 to find out what happens to	SEND: Videos have subtitles.
food in the body, then create their own flow diagram of the process.	Low ability: Peer-learning.
	Gifted and Talented: Peer-teaching.
Class discussion: Would you eat food	Plenary
that was 3D printed? Then watch the	Students select one food product to investigate over the
video on Step 1.8.	next couple of lessons.

Lesson 2 plan

Starter activity	Learning objectives
In pairs, students discuss what food processing is and whether they think it's	To identify and justify different processing methods
good or bad.	To explore behaviour nudging as a tactic to encourage consumers to buy certain food products
Main activities	Resources required
Students make a mindmap of the processing methods listed in Step 1.2	Access to FutureLearn course.
and, in pairs, suggest examples of food	2. Devices to watch videos on.
that require that method of processing,	Assessment for Learning
as well as explaining why it's needed.	Processing diagrams.
	Differentiation
In pairs, students complete the exercise on Step 1.7 to find out more about food	SEND: Videos have subtitles.
processing, making notes of what they've learnt.	Low ability: Peer-learning.
	Gifted and Talented: Peer-teaching.
As a class, watch the video in Step 2.5	Plenary
on behaviour nudging. Then the class	Students make a quick flow diagram of how their
discusses the tactics they've experienced in both health and unhealthy food	chosen food product is processed.
products.	Remind the students to bring in their chosen food product next lesson to help them with their task.

Lesson 3 plan

Starter activity	Learning objectives
Teacher talks through the diagram on Step 1.3 showing how food goes from farm to fork. This should give an introduction to their main task.	 To produce a presentation that combines their understanding of food chemistry, processing and marketing.
Main activities	Resources required
Students create a presentation all about their chosen food product. It must outline the following: • Macro and micronutrients it	Access to FutureLearn course Devices for research.
contains (which also means detailing the original raw food	3. Paper or technology as appropriate to create presentations.
ingredients).	Assessment for Learning
 Processing methods required to 	Presentations.
make it.	Differentiation
 Any fortification added and why. What has been done to improve the 5 senses of the product. What behaviour nudging methods 	SEND: Videos have subtitles. Low ability: Peer-learning.
What behaviour nudging methods have been used to convince	Gifted and Talented: Peer-teaching.
consumers to buy the product.	Plenary
Students may ask for support from their peers for information on any element of their presentation.	Students write down the three most important things they think they've learnt from the least three lessons.
The presentations should be completed by the end of the lesson and distributed to the rest of the class as case studies (this could be done in a shared folder).	