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Circular Economy

Zero Waste Scotland Resources

Love Food Hate Waste – Secondary Schools





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INTRODUCTION

The Love Food Hate Waste education pack has been created for the Scottish curriculum

<https://www.zerowastescotland.org.uk/content/food-waste-secondary-school-resources>

Through a variety of engaging and easy to use inter-disciplinary lessons your learners are given a voice in the fight against food waste and will further understand this significant problem facing our world today. These lessons are the perfect way to incorporate Learning for Sustainability within different subject areas.

Our lessons for S1-S2 cover:

- **Literacy**
- **Science**
- **Maths**
- **RME**
- **Home Economics**

Our lesson plans are designed to support your teaching with engaging worksheets, useful presentations and *all the relevant Curriculum for Excellence experiences & outcomes*.

Download our education pack and start tackling food waste with your class.

<https://www.zerowastescotland.org.uk/sites/default/files/ZWS1054%20LFHW%20Secondary%20Pack.pdf>

KEY LEARNING

Secondary Literacy Lesson S1/2 Literacy

- In this lesson learners consider how much food is wasted both in Scotland and on a global scale. They investigate the impacts of this waste and come up with their own campaign to fight against food waste, developing their literacy skills and exploring

Secondary Science Lesson S1/2

- In this lesson learners consider how much food is wasted both in Scotland and on a global scale. They investigate the impacts of this waste and come up with their own campaign to fight against food waste, developing their literacy skills and exploring

Secondary Math Lesson S1/2

- In this lesson, learners use their knowledge of decimals and percentages to explore the carbon impact of food and the implications of wasting food.

Secondary RME Lesson S1/2

- This lesson presents food as something of value that shouldn't be wasted and that can bring people together. Learners consider how food is celebrated in different world religions. They then go on to explore how charitable organisations respond to the moral issue of food waste, touching on food poverty. Lastly, learners design their own event to celebrate food with a moral or religious message in mind.



Secondary Home Economics Lesson S1/2

- In this lesson learners explore the scale of food waste in Scotland and how much it costs us. They then consider key ways that food can be saved from the bin. Finally, they reimagine or use up leftovers to create a tasty dish.

LEARNING INTENTIONS

Secondary Literacy Lesson S1/2 Literacy

- We are learning that language can be used to persuade or influence individuals to change their behaviour. We understand that food waste is an issue in Scotland and we are using a variety of persuasive techniques to save food from the bin.

Secondary Science Lesson S1/2

- In this lesson learners are encouraged to investigate why some fruit and vegetables turn brown once the skin is cut. They will learn that this is the result of a chemical reaction, which can be prevented using a variety of simple methods. Learners will identify effective ways of storing cut fruit that will help them to reduce unnecessary food waste.

Secondary Math Lesson S1/2

- We are learning that greenhouse gases are generated at each stage of getting food from farm to fork and that different types of food have different impacts.

Secondary RME Lesson S1/2

- We are learning that food is something of value that is celebrated in various religions and a way of bringing people together. We understand the moral issues around wasting food and how different organisations respond to this.

Secondary Home Economics Lesson S1/2

- We are learning ways to use up food to save it from the bin because we understand the impact of food waste in Scotland.

SUCCESS CRITERIA

Secondary Literacy Lesson S1/2

- Explain the scale of food waste in Scotland and on a global scale.
- Appreciate the financial and environmental impact avoidable food waste has on people in Scotland.
- Engage with others and communicate in expressive, persuasive ways that encourage people to reduce levels of avoidable food waste.
- Develop a campaign to encourage people to reduce food waste.

Secondary Science Lesson S1/2

- Participate in an investigation into different ways of slowing down the chemical reaction that causes fruit and vegetables to turn brown when cut.
- Discuss and draw conclusions from the results of this investigation.
- Explain that some fruit and vegetables turn brown when cut because a chemical reaction takes place.
- Understand how to store food correctly in order to avoid food waste.



Secondary Math Lesson S1/2

- Understand the journey of food from farm to fork and appreciate how greenhouse gas emissions arise at each stage of the supply chain.
- Participate in problem solving calculations and explore the carbon impact of different types of food.
- Identify and discuss the implications that wasted food has on greenhouse gas emissions.

Secondary RME Lesson S1/2

- Research and discuss how world religions value and celebrate food.
- Investigate different approaches that redistribute food waste and challenge the moral issue of food waste in a positive way.
- Design a flyer that celebrates food and ensures it feeds people and not bins.

Secondary Home Economics Lesson S1/2

- Explain how much food is wasted unnecessarily in Scotland each year.
- Demonstrate an understanding that not only does avoidable food waste cost money, it is also bad for the environment.
- Discuss the different ways of saving food from the bin and reducing avoidable food waste.
- Prepare two different recipes that use up leftovers.

OVERVIEW

Subject specific and stand-alone, these lessons are the perfect opportunity to embed Learning for Sustainability across the curriculum and tackle a pressing global issue in a different context.

Food waste secondary school resources

<https://www.zerowastescotland.org.uk/content/food-waste-secondary-school-resources>

This resource link also contains links to power-point presentations for:

Literacy

Math

Home Economics

CHECKLIST:

- ✓ Download love food hate waste secondary school lesson plans from Zero waste Scotland website