

# - Student worksheet for case study - Innovations in express packaging



## Generic green skills

### Cognitive competencies:

- Environmental awareness and a willingness to learn about sustainable development
- Systems and risk analysis, skills to assess, interpret and understand both the need for change and the measures required
- Innovation skills to identify opportunities and create new strategies to respond to green challenges

### Interpersonal competencies:

- Consulting skills to advise consumers about green solutions and to spread the use of green technologies.
- Strategic and leadership skills to enable policymakers and business executives to create conditions conducive to cleaner production, cleaner transportation, etc.



## Learning objective

### You will be able to:

1. Recognize how much carbon emissions logistic enterprises cause as well as the role of packaging and what solutions there are for this issue.
2. Evaluate the implementation of these solutions from different perspectives.
3. Investigate how logistics enterprises in your province respond to carbon emission issues and how this can be improved.



## Format

Small group work with individual learning



## Resources needed

A4 paper, laptop, case study



## Time required

1 hour



## Assessment

### You will be assessed based on:

The group presentation. The assessment is based on the clarity of your arguments, as well as your analysis of the implementation of the solutions and your suggestions about how to improve them.

## Before the class:

1. Read through the case study and identify the key elements below:
  - a. Carbon emissions caused by logistics centers
  - b. Different solutions logistics enterprises adopt to reduce carbon emissions
  - c. How these solutions contribute to the implementation of relevant SDGs
2. Identify at least two solutions to discuss in groups.
3. Seek your teacher's advice about visiting a logistics center in your city individually, or in small groups. At the center you should examine the level of awareness about carbon emission issues held by the staff you talk with and identify the solutions logistic enterprises implement to reduce carbon emissions as well as the challenges they face. The teacher will provide you with an interview form to use during the visit. You can adjust the form and add additional questions.



## During the class:

### 1. Warm-up activity

- a. Consider the pictures your teacher shows you in class that illustrate packaging problems.
- b. Describe similar problems you have read about, or experienced in everyday life, to your group and identify the negative impacts on the environment.
- c. Share the results of your visit to the logistics center.

### 2. Group discussion

- a. What measures do enterprises take to reduce carbon emissions caused by packaging? Do they face any challenges in implementing these measures? What is the level of awareness among staff at the enterprise?
- b. Evaluate whether these measures are practical or effective across China? You will need to provide evidence/clear arguments to demonstrate why they are effective or ineffective. In terms of practical implementation, you should consider the various conditions/challenges in different areas, such as the differences between big cities and the countryside. Do additional research if needed.
- c. List the arguments from both sides on A4 paper and formulate a conclusion based on them.
- d. Based on the analysis of the conditions in your province, discuss how current solutions could be adjusted, or identify other possible solutions that could be applied to reduce carbon emissions caused by packaging.



### 3. Group presentation

Prepare a 5-10 min group presentation or speech that focuses on:

- a. An evaluation of the current solutions in relation to addressing packaging issues. You should clearly introduce: which measures you are focusing on, the conclusion generated by the group discussion, and an analysis of the current situation in your province.
- b. Adjustments to current solutions, or suggestions of other possible solutions, based on the local context.

## After the class:

1. In your group identify a local logistics center that you will send your suggestions to.
2. Write a letter that provides some suggestions for improving the implementation of current solutions, or introduce other possible solutions that could help to address packaging issues. Show this to your teacher before sending.

## Reference:

- Double eleven green logistics: whole link carbon reduction of vegetable birds. *Green Packaging*, 2021(11), pp.12.
- Xiao, H. and Li, Y., 2021. Shenzhen Green Logistics Out of 'Acceleration'. *Shenzhen Economic Daily*, 11(3), pp.1-2.
- Xie, S., 2022. Study on Green Transformation and Development Strategy of Logistics Industry under Carbon Neutralization. *Reform and Strategy*, 3(12), pp.130-140.