

Unit 15A

The Circular Economy in the Construction Sector

Construction and the Circular Economy

1 Introduction

Unit 15A provides resources for vocational trainers seeking to incorporate the circular economy into their courses in the Construction sector, focusing on circular economy challenges such as disruptions or resource efficiency.

This unit explores the importance of understanding how materials use within the sector could be reduced based on the Circularity Gap Report.

2 Learning Outcomes

| | |
|---------------------|--|
| Knowledge | To understand the relationship between the construction sector and the use of raw materials. |
| Skills | To be able to find information relating to material use in the construction sector. |
| Competencies | To determine how to reduce materials use by the construction sector. |
| EQF Level | This material is mainly suited to EQF level 4. |



3 Lesson Plan

| Method | Description | Suggested duration in minutes (total minutes) |
|--|--|---|
| Brainstorming session | Brainstorming where you as a trainer write down definitions, notions and connotations ought to be used for future discussions and references. You can continue the brainstorming session with the following questions if needed: <ul style="list-style-type: none"> • Discuss Construction sector use of raw materials. Ask students to think of ways to reduce / use materials more efficiently. | 15 |
| Presentation by trainer using PPT | Overview | 30 |
| | Unit Learning Objectives | |
| | Materials Use | |
| | Discussion | |
| | Reducing Material Use in Construction | |
| | The Circle Economy Report | |
| | Disrupting the Sector | |
| Assessment | Quiz | 15 |

4 Quiz

- 1. The construction sector is the most material intensive industrial sector in the EU**

Answer: True

- 2. A circular economy response is to: (more than one are correct)**

Answer:

- B. Adapt and use existing buildings rather build new
- C. Repair and refurbish wherever possible
- D. Be more efficient in the building process – producing less waste
- E. Recycle any waste

- 3. The DISRUPT approach to the circular economy does not include:**

Answer: Design new investments/Reshape the company completely