



# 5E Lesson plan

**Maja Đurić**  
**2021/0018**

# Let's STREAM Project

Subjects: Environmental Science, Reading, English & Art.

Course title: **"Rethink, Reduce, Reuse, Recycle."**

Grade level: 4th grade.

## Materials needed:



plastic bottles, cardboard boxes, old newspaper, tin cans, bottle caps, fabric scraps, glue, string and colored paper...



## Lesson Outcomes:

(what the student is expected to learn and to do)

1. Explain the process and importance of recycling.
2. Identify materials that can be recycled.
3. Student will learn new vocabulary related to recycling.
4. Create a useful or decorative item using recycled materials.
5. Present their project and explain the creation process.



**90 min**

1. Engage: 15 min
2. Explore: 15 min
3. Explain: 15 min
4. Elaborate: 30 min
5. Evaluate: 15 min

# Engage: 15 min

Watch a short youtube video: **“What Happens to Your Recycling After It’s Collected?”** | NowThis”

Whole-class discussion:

- What do you throw away every day?
- Where does your trash go?
- Do you have separate bins for waste at home or at school?
- Why is recycling important?
- What would the world look like if everyone recycled?

Use **sticky notes** for a **word cloud activity**: “What words do you associate with **RECYCLING?**”



**Formative Assessment:** Teacher notes student contributions and misconceptions during discussion.

## Explore: 15 min

**Group work** (3-4 students): Receive images or real **recyclable** items to sort into categories (paper, plastic, glass, fabric, etc.)

Once the sorting is done, teacher gathers the students to **discuss** why each item belongs to a particular category.

**Formative Assessment:** Group reflection questions, teacher circulates to assess understanding.



## Explain: 15 min

Read a short printed article about recycling in communities and underline any **unfamiliar words**:

### Let's Take Care of Our Planet!

We can all help the Earth if we learn how to **reduce**, **reuse**, and **recycle**. When we reduce **waste**, we use fewer things that can harm the **environment**. When we reuse old items, we give them a second life instead of throwing them away. Recycling helps keep **trash** out of the **landfill**, where **garbage** sits for many years. If we all do our part, we can make the world more **sustainable** — healthy and clean for future generations.

**Formative Assessment:** Teacher leads a class discussion on unfamiliar words students underlined, encouraging them to guess meanings and explain context. The teacher gives oral feedback, corrects errors and reinforces correct definition, helping assess vocabulary and support language development.

## Elaborate: 30 min

Whole-class discussion:

- How can trash be useful?
- Have you ever created something new from old materials? (like art, toys, or decorations)

The teacher shows pictures of **recycled materials** used to make toys or decorations, as well as images of artwork made from **recycled materials**.





## Elaborate: 30 min

### Task:

Work in teams (3-4 students) to design and create one or more items using **recyclable materials**. (e.g. **decorative pot, toy, pencil holder...**)

Examples of these materials include plastic bottles, cardboard boxes, old newspaper, tin cans, bottle caps and fabric scraps.

Students use glue, string and colored paper for decoration. Students sketch a **design plan**. They select materials, measure, cut and assemble.



# ROBOTS





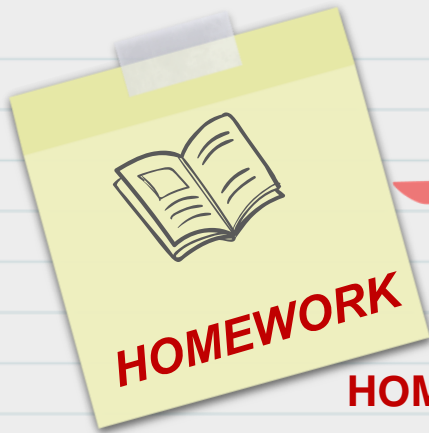
## Formative Assessment:

Teacher observes, asks  
**guiding questions** and  
provides support.



**Evaluate: 15**  
**min**

Each team presents their **project**  
– what they made, which materials  
they used and how.



**Evaluate: 15 min**

**HOMEWORK:** Design a Recycling Awareness Poster.

**Instructions:**

- Include a short slogan. (e.g. "**Save the Planet!**")
- Add at least three recycling tips.
- Use different colors to decorate and make your poster attractive.
- Optional: Include facts you learned in class.

## Evaluate: 15 min

### Oral questions – exit ticket:

\*designed to encourage reflection, check understanding, and connect what was learned to everyday life.\*

### Whole-class discussion:


- What is recycling? Can you explain it in your own words?
- Name three materials that can be recycled.
- Why is recycling important for the environment?
- What new words did we learn today?
- If you could change one thing in your school to make it greener, what would it be?





# THE END

Thank you.



<https://youtu.be/VIRVPum9cp4?feature=shared>