CLASSROOM RULES

R – Respect everyone
U – Understand instructions
L – Listen carefully
E – Engage fully
S – Stay focused

🍀 BY THE END OF THIS LESSON, 🍀 STUDENTS WILL BE ABLE TO

1. Explain the types of recycling, the advantages of recycling, and five common recyclable materials.
2. Create a functional object (e.g., a pencil holder, planter, or decor) using recycled materials.
3. Share at least two personal commitments to reduce waste and support recycling as a sign of valuing environmental responsibility.

ICEBREACKER

GUESS THE PICTURE: RECYCLABLE OR REUSABLE EDITION

YOUR MISSION

1

YOUR MISSION

1

YOUR MISSION

2

YOUR MISSION

2

YOUR MISSION

3

YOUR MISSION

3

YOUR MISSION

4

YOUR MISSION

4

LET’S RECALL

WHAT IS RECYCLING?

RECYCLING

Process of transforming an item which has already served its original purpose but is still durable into something that can still be used for another purpose

TYPES OF RECYCLING

☘ TYPES OF RECYCLING ☘

1

Internal recycling

2

External recycling

INTERNAL RECYCLING

Involves the use of materials that are waste products of a manufacturing process.

INTERNAL RECYCLING

EXAMPLE

EXTERNAL RECYCLING

The reclaiming of materials from a product that has been worn out due to constant use.

EXTERNAL RECYCLING

EXAMPLE

ADVANTAGES OF RECYCLING

ADVANTAGES OF RECYCLING

1. Decrease pollution and ease the garbage pollution
2. Conserve resources
3. Enhance creativity and resourcefulness

YOUR QUESTION

?

What do you think are the common materials used in recycling? Why?

COMMON MATERIALS USED IN RECYCLING

PAPER

PLASTIC CONTAINERS

GLASS BOTTLES

QUESTIONS?

☘ QUESTIONS ☘

Can you explain the difference between internal and external recycling, and give an example of each?

YOUR ACTIVITY

Activity: Recycled Craft Challenge

Goal:

Show what you've learned about recycling by creating a useful or decorative item made from recyclable materials!

Examples:

- Basket made from old newspapers
- Plastic bottle turned into a flower vase
- Tin can used as a pencil holder
- Coin purse made from scrap fabric
- Any other creative recycled item you can think of!

Guidelines:

- You will work in a group.
- Use recyclable or reused materials.
- You will have 25 minutes to finish your Activity.
- Be creative, work as a team, and manage your time wisely.

RUBRICS

Criteria	Excellent (25 pts)	Satisfactory (15 pts)	Needs Improvement (5 pts)
Creativity	Very original and creative idea	Shows some creativity	Lacks originality or copied idea
Material Use	Used recyclable material effectively and wisely	Used material properly but simply	Poor or improper use of material
Teamwork	All 3 members actively participated	2 members participated	Only 1 member did the work
Usefulness/Design	Product is useful and well-designed	Product is somewhat useful or decorative	Product has no clear use or design
Time Management	Finished completely within 25 minutes	Finished with minor delay or missing small details	Incomplete or not finished within time limit

SHORT QUIZ

SHORT QUIZ

Choose the letter of the correct answer.

1.What is recycling?
A. Throwing waste into the ocean
B. Burning trash to reduce space
C. Reusing materials to create something new
D. Burying garbage in landfills

2. What type of recycling uses waste materials from manufacturing?
A. External recycling
B. Thermal recycling
C. Biodegradable recycling
D. Internal recycling

SHORT QUIZ

3. Which of the following is an example of internal recycling?
A. Turning plastic bottles into planters
B. Melting old glass into new jars
C. Using spent grain mash as cattle feed
D. Donating old clothes

4. External recycling is done by:
A. Throwing items away properly
B. Using scraps inside a factory
C. Reclaiming materials from used products
D. Burning old materials

SHORT QUIZ

5. Which of these is NOT a recyclable material?
A. Newspaper
B. Plastic bottle
C. Banana peel
D. Glass jar

6. What is one advantage of recycling?
A. Increases pollution
B. Conserves resources
C. Destroys ecosystems
D. Makes garbage disappear

SHORT QUIZ

7. Which material can be recycled into a basket or paper sculpture?
A. Fabric
B. Plastic
C. Paper
D. Tin cans

8. Turning a tin can into a pencil holder is an example of:
A. Internal recycling
B. External recycling
C. Upcycling
D. Composting

SHORT QUIZ

9. Why is plastic commonly recycled?
A. It is cheap to burn
B. It decomposes quickly
C. It can be reused in many ways
D. It is organic

10. Which of the following promotes recycling?
A. Using single-use plastics daily
B. Throwing bottles in rivers
C. Creating art from waste
D. Burning trash in your backyard

ANSWER KEY

1. C
2. D
3. C
4. C
5. C
6. B
7. C
8. B
9. C
10. C

ASSIGNMENT

Create a useful or decorative item using recycled materials.

1. Build: Design your item. Examples: pencil holder, planter, mobile, storage container.

2. Describe (50-75 words): Write a short paragraph explaining what you made and what recycled materials you used.

THANK YOU