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E-Waste to Art Lesson Plan

Objective:

Students and teachers will learn how to use electronic waste (e-waste) creatively, using it as a medium for art projects in the classroom. Teachers will also develop an understanding of the environmental impact of e-waste and how to foster student awareness through artistic expression.

Duration : 1 hour 30 minutes

Materials :

- Collection of e-waste (old phones, wires, computer parts, etc.)
- Basic art supplies (glue, scissors, paint, etc.)
- Presentation slides
- Examples of e-waste art (printouts or digital)
- Devices for research (optional)
- Whiteboard/Flip chart

Outline

I) Introduction to E-Waste (10 minutes)

Objective: Define e-waste and its environmental significance, and explore its potential as a material for art.

Discussion Questions:

- What is e-waste?

- What are the examples of e-waste?
- Why is e-waste a problem?
- Why is e-waste harmful?
- How to control e-waste?

II) Presentation(10 minutes)

Show statistics and visuals of e-waste pollution, recycling challenges, and examples of creative reuse.

https://docs.google.com/presentation/d/1zmrnsmMyYBX3XYRRhD7HOkJ14TGIM8-j/edit?usp=drive_link&ouid=117634755217859068118&rtpof=true&sd=true

III) Exploring E-Waste in Art (10 minutes)

Objective: Show how e-waste can be used as an artistic medium.

Activity:

- Present examples of artwork made from e-waste (sculptures, jewelry, abstract pieces, etc.).
- Discuss how art can raise awareness of environmental issues like e-waste.
- Ask teachers to brainstorm how they might use e-waste in their classrooms

Hands-On E-Waste Art Creation (45 minutes)

Objective: Engage teachers in a creative, hands-on activity using e-waste materials.

Activity:

- Break participants into small groups.
- Provide each group with a collection of e-waste materials (e.g., old wires, keyboards, circuit boards).
- Challenge them to create an artistic piece (sculpture, collage, or abstract form) using the materials.
- Guidelines: Encourage experimentation with texture, form, and structure. Emphasize creativity and environmental awareness.

-Showcase and Reflect

Discussion Questions

- How can you incorporate e-waste art into your curriculum?
- What connections can be made between environmental science and art?
- How can students be encouraged to think about sustainability through art?



Conclusion (15 minutes)

Objective: Summarize key takeaways and provide additional resources.

Assessment & Evaluation

- Participation in hands-on activity.
- Group presentations and reflections.

- Completion of a draft lesson plan on e-waste to art.
- Teachers can organize a school-wide e-waste art exhibit to display student work.
- Partner with local recycling centers or tech companies for e-waste donations and awareness campaigns.

This lesson plan allows teachers to engage creatively with e-waste, promoting environmental awareness through art while offering a hands-on, practical approach for their classrooms.

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