



SKATEISTAN LESSON PLAN

"Recycled Garden Series"

Curriculum

Natural Balance

Date

Q2 2018

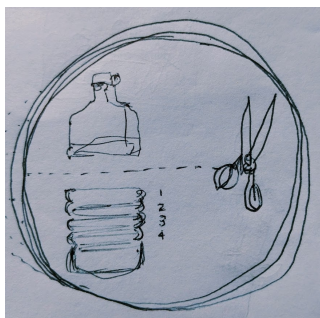
Author / Site

PO Team / All Sites

Series

4 Lessons / 60 Min.

A four-part lesson series where students create a hanging garden from recycled materials



VOCABULARY

Reduce, Reuse, Recycle, Rot,
Compost, Oxygen Cycle, Biodegradable,

MATERIALS

EXTERNAL

Plastic bottles (variety)
Soap & water
Recyclable Materials
Paper
Writing Materials
Paint & Brushes
Scissors
Rope
Soil & Seeds

INTERNAL

PC
Projector
(Spray paint)
(Hot Glue Gun)

RESOURCES

- [Cambodia Media Album](#)
- [Afghanistan Media Album](#)
- [South Africa Media Album](#)
- [Plastic Pollution Website](#) (ORG)
- [Field Trip to a Recycling Plant](#) (PBS)
- [3R's video for lower fitness](#)
- [4R's video for higher fitness](#)
- [Plastics in the Environment](#)
- [Plastic Bottle Inventions](#)
- [Pharrell Williams & Plastic](#)
- [A Story of 3 plastic bottles](#) (TED Ed)
- [Plastic bottle design](#)
- [Macrame knot tutorial](#)

LEARNING OBJECTIVES

- △ Learn about recycling
 - Environmental impact
- △ Invent & Create Designs
 - Drawings & designs for recycled materials
 - Create unique & useful artwork from recycled materials
- △ Learn about gardening process
 - Students experience their plants grow.
- ▼ Students develop recycling vocabulary
- ▼ Students explore the impacts of pollution on their local communities
 - Students examine economic impact of recycling

PREPARATION

- △ Make sure lessons will be taught during the growing season; Spring is perhaps the best option, depending on which plants are used.
- △ Collect enough bottles so students are prepared for the activity.
- △ Prepare a bottle washing station with soap and water
- △ Educators have adapted the lesson for local community needs. All local research is completed and resource links have been added into the lesson plan. All lesson feedback has been shared with supervisors within lesson plan comments.
- △ Educators have identified a safe space for the activity
- ▼ Educators have experienced the full lesson and are familiar with topic and activities. Educators are familiar with all vocabulary and resources before the lesson.

ASSESSMENT

- △ The Nods and Shakes
- ▼ Recycling Review

Lesson
GUIDES



TIME	TEACHING STRATEGY	STUDENT ACTIVITY	MATERIALS	EXAMPLES
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LESSON 1:

ORIENTATION

15 Min

GET 4: Experiential Learning

- Pollution in the skate environment allows kids to directly relate to the activities. Learning about plastic in the environment allows the students to solve the challenge so they can skate.

CCC 5: Think Global, Act Local

- Students are asked to think about how this global problem impacts their local communities.
- The lesson orientation ends with students sharing local action: ideas on how we can reuse plastic bottles.

△ The Polluted Skatepark

- Stage an event. Before the session begins, scatter bottles throughout the space. Gather all students together. Call an 'emergency meeting' to announce that there will be no skating today....*unless* we can solve this garbage problem.

△ Ask the Class

- What are these bottles made of?
- Do you use plastic bottles at home?
- Is plastic bad for our environment?
- Have you seen plastic bottles in the street?
- What are ways we can reuse plastic bottles?

▼ Show Me More

- Share [Plastic Pollution Website](#) visual examples.

▼ Ask the Class

- How does plastic pollution change the world?
- Why is this important?
- What can we do about pollution?

✧ Bottles

✧ Printed Images
☉ Projector / PC



[Video of the kid's reactions in SA](#)

ACTIVITY

30 Min

Caution!

The kids will want to play in the water, so be cautious of electronics in case of water fights

GET 3: Child-Centered Approach

- Children take learning into their own hands and take responsibility to solve the pollution problem.

GET 6: Growth Mindset

- Encourage students to explore creative ideas for reusing bottles. There are no wrong ideas here.

Documentation

Take photos of students holding their drawings, or several short videos of students explaining their ideas.

△ Experiencing Recycling

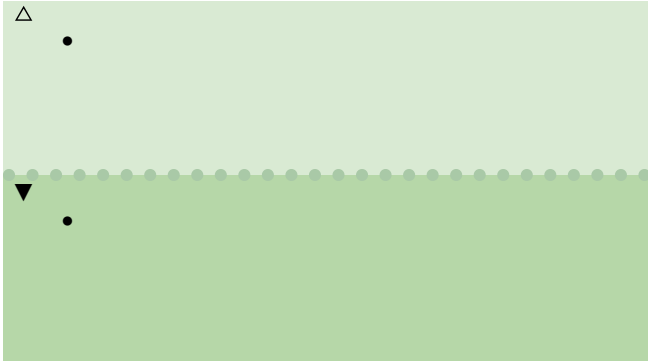
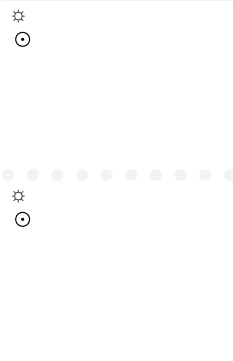

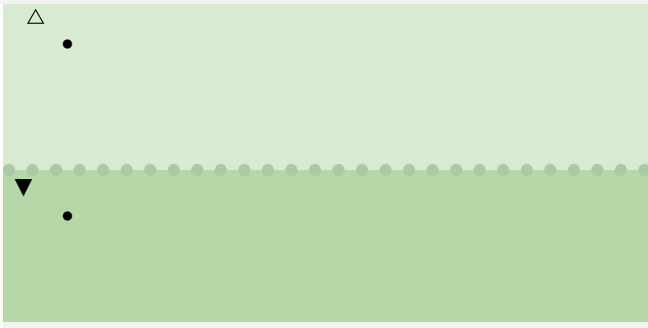
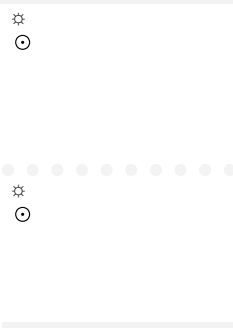


- Bottle collecting and washing. Take the group to pick up bottles and bring them to a washing station. When washing, make sure caps are off and separated from the pile of bottles.
- Learning support. During the activity, pass around examples of other recyclable materials.

△ Reuse & Invention

- Hand out paper and writing instruments.
- Students draw ideas for how we can reuse our bottles
- Collect all the drawings
- Each student must explain their drawings and ideas when they submit them to the educator

✧ Plastic bottles
✧ Soap & water
✧ Recyclable materials
✧ Paper
✧ Writing materials

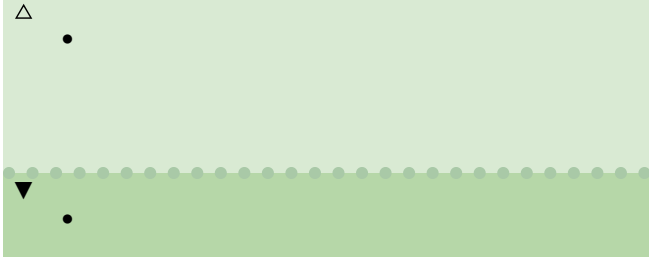



TIME	TEACHING STRATEGY	STUDENT ACTIVITY	MATERIALS	EXAMPLES
15 Min	•			 <p>Video of the kid's reactions in SA</p>
ACTIVITY				
30 Min				
REFLECTION				
15 Min	Creative Expression Options for the Reflection <ul style="list-style-type: none"> students have paper and pencils to draw answers to these questions. Educators choose one question to focus on. The class draws their feelings. <p>Make sure to leave time at the end for students to share their work in an open discussion.</p>	<p>△ The Nods and Shakes</p> <ul style="list-style-type: none"> Agree - Nod head Disagree - Shake head Not sure - Raise a hand <p>Follow up after class with students who raised their hands ("not sure") to find out how to improve the lesson.</p> <p>▼ Review</p> <ul style="list-style-type: none"> 		

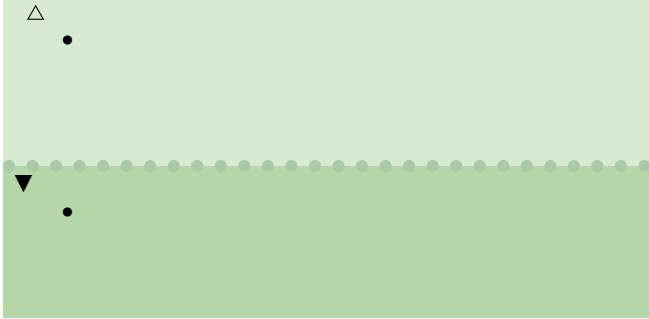

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LESSON 3:

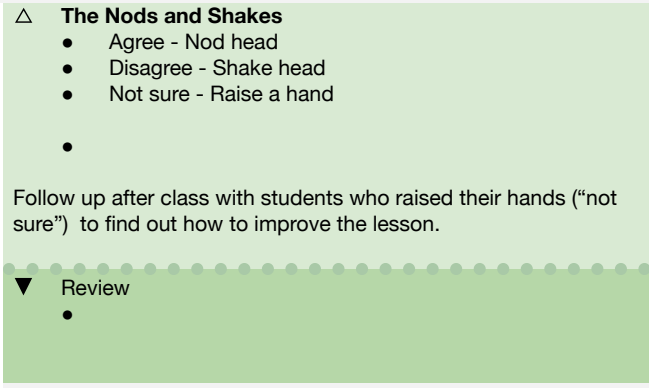
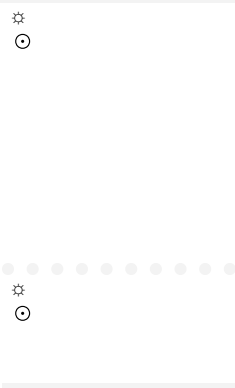

ORIENTATION

15 Min	•			
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ACTIVITY

30 Min				
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REFLECTION

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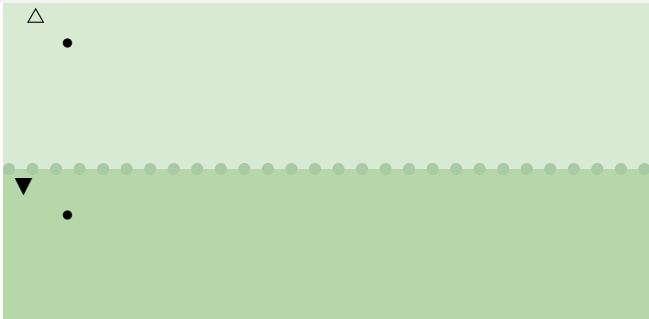

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LESSON 4:

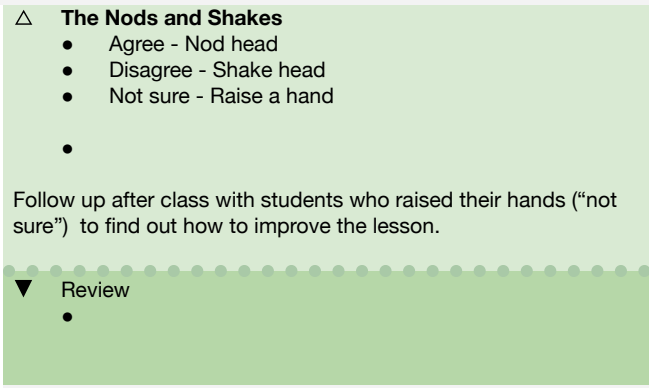


ORIENTATION

15 Min	•			
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ACTIVITY

30 Min				
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REFLECTION

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