

RECYCLING LESSON PLANS

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YOU BY

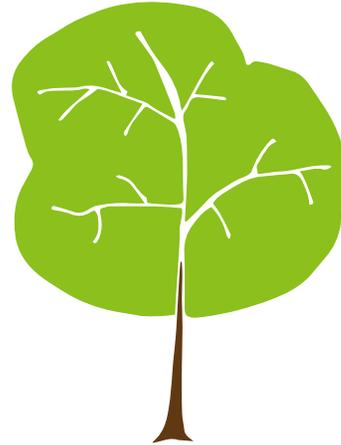


5E PRINTABLE LESSONS TO PROMOTE RECYCLING

Brought to you by WeAreTeachers and PepsiCo Recycling

Dear Educators,

You're teaching a generation of kids who will have a huge impact on our environmental future. Lessons about recycling, sustainability, and eco-friendly practices are incredibly important. To help bring these important topics to your classroom, we pulled together five complete lesson plans in the popular 5E lesson format. These lessons focus on key subject



areas like science, technology, and language arts. Through the easy-to-implement 5E model, you'll be able to incorporate these into units you already have planned for the year.

For even more resources, we recommend checking out the free lessons, articles, ideas, and printables on PepsiCo Recycling's website, [PepsiCoRecycling.com](https://www.pepsico.com/recycling). You can also sign up to participate in their recycling program for schools, Recycle Rally.

Thanks for all you do as educators in teaching our future generation.



THE BASICS OF 5E

The 5E model is an easy, hands-on way to create lesson plans for your classroom. You can either choose to do the activity in a single lesson, or you can spread it out over several days or weeks.

There's no perfect or right way to do these lessons. In fact, adapting them to work for you and your classroom needs is definitely recommended. Based on your students' age, interests, or the unit you're trying to cover, always adjust to make them work for you.

Best of all, they're designed to be printed on a single 8½ x 11 sheet of paper, making it even easier to incorporate into your daily lesson plans.

Engage: Introduce the topic.

In the engage area, introduce your students to the topic in a clear, concise way. Make sure all your students have a strong understanding of the main concepts before moving forward.

Explore: Go to the lab.

Now it's time to really get hands on with the lessons. This section includes an interactive activity where students get to put their own personal touch on the project.

Explain: Take notes.

The notes section, where students write about what they learn, is a feature in all the projects. This will help students grasp important concepts they've been putting into practice in the lab section.

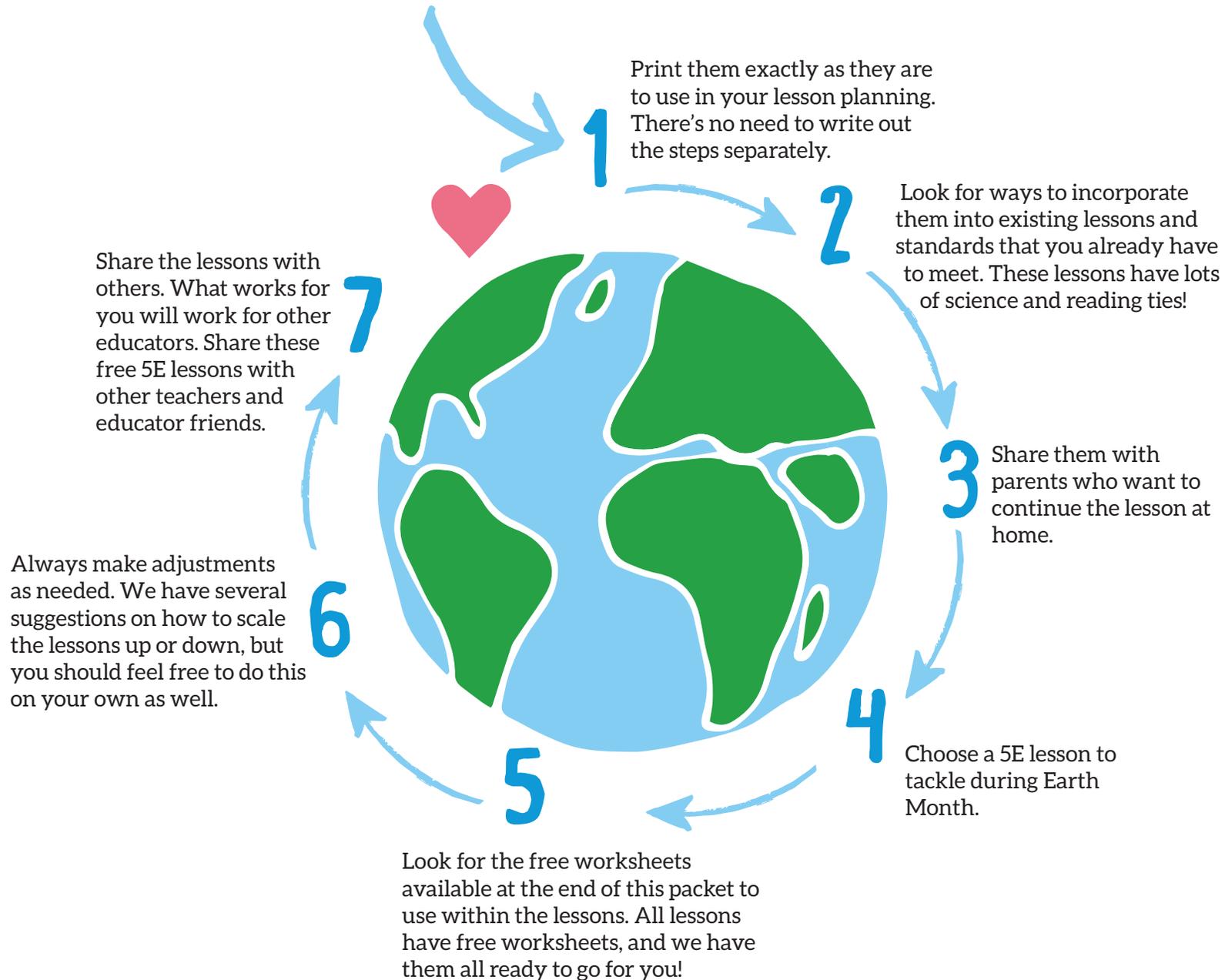
Elaborate: Review and extend.

This section checks for understanding, and then it encourages students (and you) to take it to the next level. What more can you do with this lesson? What questions have come up that you can tackle? This is a great place to grow.

Evaluate: Check for understanding.

Each lesson should have a follow-up to check for understanding. If much of your class didn't understand a key concept or takeaway, it might be time to go back to the lab or review and extend again.

7 TIPS FOR USING THE 5E LESSONS

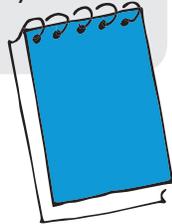


Lesson 4

CAN YOU RECYCLE IT?

MATERIALS »

- Laptops or tablets
- Pens and pencils
- Poster board
- Markers
- “Can You Recycle It?” worksheet



1 ENGAGE: INTRODUCE THE TOPIC

Teacher: Engage students in a conversation about what items they know can and can't be recycled. Ask students to share their personal experiences with recycling and then hand out the worksheet.

Student: Use the “Can it be Recycled?” worksheet to record what items are recycled frequently, infrequently, or never. Note any items that are surprising (like cell phones) or confusing (like pizza boxes).

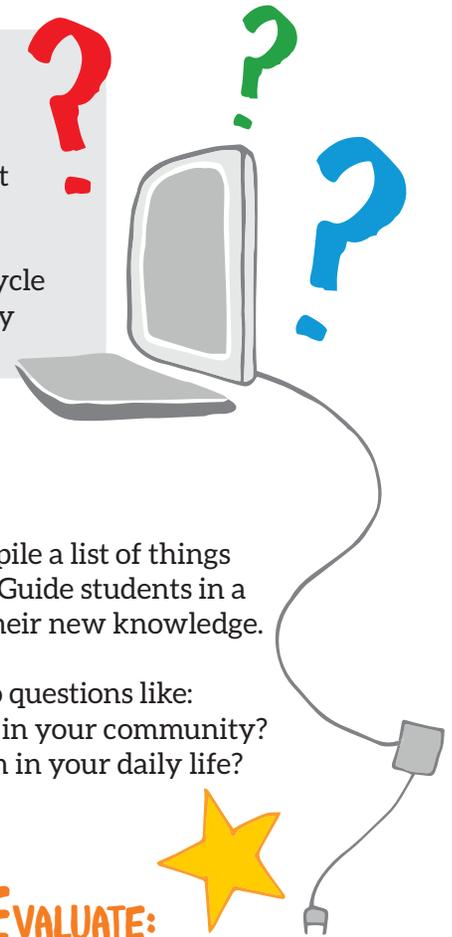
Students will conduct research to find out what materials they can and can't recycle in their area. They will also create signs and posters to help educate others.



Grades: 3-8

Core Concepts:
Language Arts, Art

Key Question:
What can you recycle in your community and how?



2 EXPLORE: GO TO THE LAB



Teacher: Help students research local and national recycling programs. Look at city, county, and private programs or school programs, like Recycle Rally. Encourage students to make posters, signs, or charts to educate others.

Student: Conduct online research to find out what materials can and can't be recycled. Also look up where to take local recyclables. Then use poster boards and markers to create signs to share important recycling messages with others. Hang your posters around the school to help educate other classmates.

3 EXPLAIN: TAKE NOTES

Teacher: Use student research to compile a list of things that can and can't be recycled locally. Guide students in a discussion of how they might apply their new knowledge.

Student: Write down your answers to questions like:

- What did you learn about recycling in your community?
- How might you use this information in your daily life?
- How can we increase recycling?

4 ELABORATE: REVIEW & EXTEND

Teacher: Introduce the concept of contamination and what it means in relation to recycling. Since it relates to unwanted materials, give a few examples and then ask students to add their own.

Student: Research recycling contamination and how it affects the recycling process. Come up with ideas to help reduce contamination.

5 EVALUATE: CHECK FOR UNDERSTANDING

Teacher: Support students as they share their posters and messages with others. Ask them questions, like why they chose the message they did and why it's important for others to understand what can and cannot be recycled.

Student: Share your message with classmates. Then when given the opportunity, share your message with family, friends, and community.

CAN IT BE RECYCLED?

Name: _____

Date: _____



ITEM



WHERE CAN YOU
RECYCLE IT?



ADDITIONAL
INFORMATION



CITE YOUR
SOURCE

PHONE CHARGER

Empty light blue box for item details.

Empty light blue box for recycling location.

Empty light blue box for additional information.

Empty light blue box for source citation.