

TEACHER GUIDE

Trash Talk!

TO: Teachers

FROM: Southeastern Indiana Recycling District
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We hope that your school year is off to a good start. In this edition of *Trash Talk!*, we look at ways your students can improve the environment by recycling and composting.

Inside this Teacher Guide, we have provided ideas to “reuse” the newsletter for daily instruction, journal writing prompts, and an extension activity.

On the back page, we provide information about this issue’s activities so that you can incorporate *Trash Talk!* into your daily curriculum. We’ve noted how these activities correlate to the Indiana Academic Standards for third and fourth grades. For your convenience, we have provided Teacher Keys below for the activities.

As always, we welcome your comments and suggestions. We hope you have a great school year!

Teacher Keys for Trash Talk! Activities

Time after Time: 1997; the first America Recycles Day

Puzzling Clues: 1. E (Answers may vary.); 2. B or D (Answers may vary.); 3. Lily; 4. Sara; 5. Lily - 25, Jack - 20, Santiago - 10, Sara - 5

Runaway Run-ons: Answers will vary.

1. ...held on November 15. Mr. Gregor’s class...
...held on November 15, and Mr. Gregor’s...
2. ...games for the party. They asked...
...games for the party, so they asked...
3. ...cereal boxes. They only...
...cereal boxes, but they only...
4. ...colored paper. Zoe got...
...colored paper; Zoe got...

5. ...about recycling. A poster...

...about recycling, and a poster...

6. ...stations at the party. Four students...

...stations at the party, and four students...

7. ...for each station. Set the signs...

...for each station, and set the signs...

Predicting Patterns: 11, 12; 44, 45; 55, 56; 77, 78;
111, 123;
444, 456;
3,333, 3,456

In the U.S.,
8,301 tons of
glass are
recycled each
day.



Reuse Ideas

Math

- If the school earned \$6 for each bag of vermicompost sold in the fundraiser, how much did Lily raise by selling 25 bags? If Mr. Chen's class sold 348 bags, how much did the class raise?
- Solve these problems: $1420 \div 20 = \underline{\quad}$ $53 \times 819 = \underline{\quad}$
- If Jack's mother was born in 1977, how old was she in 1997? How old is she in 2018?
- What is the volume of a compost bin that is 4 feet high by 4 feet wide by 4 feet deep?

English/Language Arts

- Underline an exclamatory sentence in the newsletter.
- Circle an address in the newsletter.
- Write the past tense of these verbs:
choose cut bring become give think
- Write these words in ABC (alphabetical) order:
apple animal America aluminum articles

Science

- Select the term that doesn't belong:
biodegrade grow decay rot
- Are leaves from trees organic or inorganic?
- Complete this analogy:
food scraps : vermicompost :: yard waste : _____
- If you were going to start vermicomposting, which of these tools might be useful? Why and how?
hammer paint brush hand rake pliers

Social Studies

- In 1997, who was President of the United States? In professional football, which team won the Super Bowl?
- America Recycles Day started in my state. I am also the home of the Alamo. What state am I?
- Which state is closer to Texas — Tennessee or Washington?
- Which two U.S. Presidents were born in Texas?



Journal Writing Prompts

Using the letters in the word "decomposition," make as many words as you can. You can use the letters more than once.

■ Describe yourself as you think a friend might describe you.

■ Write a paragraph using these words: rake, friend, fall, leaves, and weekend.

■ Have you volunteered recently? If so, how and where? Write a paragraph about your experience.

■ Write an acrostic poem for America Recycles Day. Use the letters in either "AMERICA RECYCLES DAY" or "REDUCE, REUSE, RECYCLE" to begin each line.

Extension Activity: Take a Hike

Make a copy of the master on the next page for each student or group of students.

Answer Key:

1. The far right bottom box should be colored green.
2. West Park is on the southeast corner at the intersection of Fourth Avenue and Washington Way.
3. 1 mile
4. Yes. From Elm Street and First Avenue, go south one block, and then east three blocks. (Answers may vary.)

Take a Hike

Name: _____

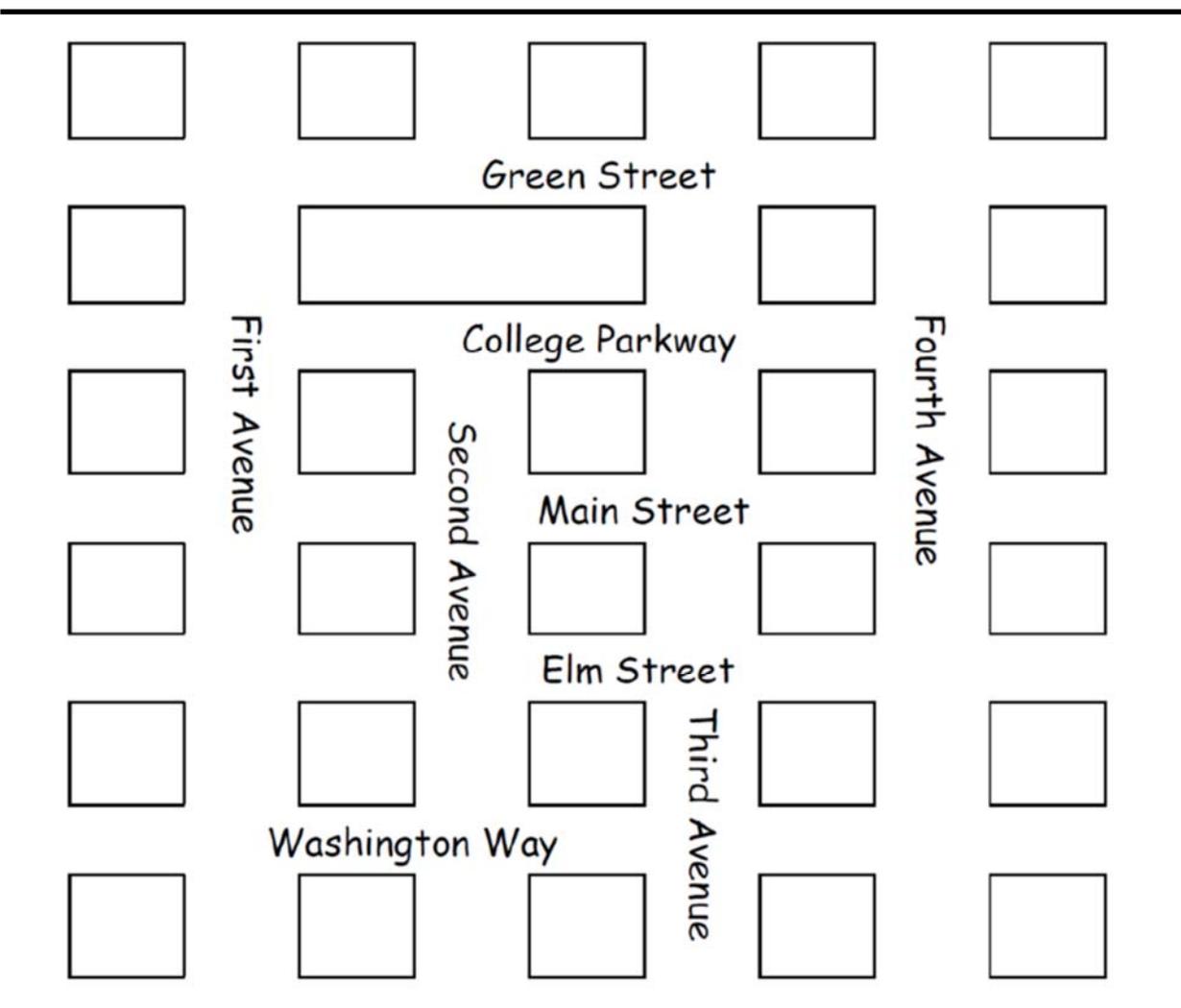
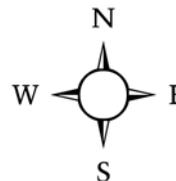
Instructions: Help Patrick and Juan find their way to the America Recycles Day celebration at West Park. Then answer the questions below. Here are the directions:

Start at the corner of First Avenue and Elm Street.

Go two blocks north, turn right, and go east for two blocks.

Turn right, and go south for three blocks.

Go east one block and West Park is on the southeast corner.



1. Color West Park green.
2. West Park is at the intersection of what two streets? _____
3. If each block is $\frac{1}{8}$ of a mile long, how far did the boys walk? _____
4. Was there a shorter way to get to the park? If so, how? _____

Skills and Standards

Activity	Subject Areas	Skills Addressed
Runaway Run-ons	<i>English/ Language Arts</i>	<p>Recognizing parts of a sentence; Recognizing run-on sentences; Writing correct, complete simple sentences and compound sentences with coordinating conjunctions; Demonstrating command of capitalization and punctuation, especially semi-colons and commas in compound sentences</p> <p><i>Grade 3:</i> 3.W.6.1e; 3.W.6.2 <i>Grade 4:</i> 4.W.6.1e; 4.W.6.2b</p>
Puzzling Clues	<i>Math</i>	<p>Multiplying or dividing to solve word problems involving multiplicative comparison; Making sense of problems and seeking entry points to a solution; Modeling with mathematics; Analyzing patterns and relationships; Representing and interpreting data; Reasoning abstractly and quantitatively</p> <p><i>Process Standards (all grades):</i> PS.1; PS.2 <i>Grade 3:</i> 3.NS.2; 3.C.1; 3.C.5; 3.AT.1; 3.AT.2; 3.AT.3; 3.DA.1 <i>Grade 4:</i> 4.NS.2; 4.C.2; 4.C.3; 4.C.4; 4.AT.4; 4.DA.1</p>
Buried Treasure	<i>Science</i>	<p>Following precisely a multi-step procedure when carrying out experiments; Investigating the action of different decomposers and comparing their roles in the ecosystem; Describing methods humans currently use to extend the use of natural resources; Constructing and performing fair investigations in which variables are controlled; Investigating ways individual communities protect the Earth's resources and environment.</p> <p><i>Grade 3:</i> SEPS.3; SEPS.4 <i>Grade 4:</i> SEPS.3; SEPS.4; 4.ESS.4</p>
Time After Time	<i>Social Studies</i>	<p>Understanding events and developments that brought important changes; Demonstrating an understanding of civic issues; Examining ways people have tried to solve environmental problems</p> <p><i>Grade 3:</i> 3.1.4; 3.2.7; 3.3.12 <i>Grade 4:</i> 4.1.15; 4.2.6</p>
	<i>Math</i>	<p>Adding whole numbers; Solving real-world problems involving addition of multi-digit whole numbers</p> <p><i>Grade 3:</i> 3.NS.1; 3.C.1 <i>Grade 4:</i> 4.C.1; 4.AT.1</p>
Predicting Patterns	<i>Math</i>	<p>Generating and analyzing patterns; Looking for and expressing regularity in repeated reasoning; Looking for and making use of structure</p> <p><i>Process Standards (all grades):</i> PS.1; PS.2; PS.7 <i>Grade 3:</i> 3.NS.1; 3.C.1; 3.AT.1 <i>Grade 4:</i> 4.NS.1; 4.C.1; 4.AT.1</p>
Outside Pages Text	<i>English/ Language Arts</i>	<p>Reading and comprehending nonfiction, informational text; Applying context clues to determine meaning of unknown words; Determining meaning of content-specific words and phrases in nonfiction text</p> <p><i>Grade 3:</i> 3.RN.1; 3.RN.2.1; 3.RN.2.2; 3.RN.3.1; 3.RN.4.1; 3.RV.2.1; 3.RV.3.2 <i>Grade 4:</i> 4.RN.1; 4.RN.2.1; 4.RN.2.2; 4.RN.3.1; 4.RN.4.1; 4.RV.2.1; 4.RV.3.2</p>