

Hello, teachers!

Welcome to the fourth edition of the Cuyahoga County Solid Waste District's student newsletter, "Mission: Recycle." In this edition, we invite students to explore how to recycle right and make a positive, long-term impact on our environment. We also hope that you and your students will take part in school recycling and our special programs.

Inside this teacher supplement, we have provided a coloring page that you can copy for students and an extension activity, as well as ideas to "reuse" the newsletter for daily instruction and teacher keys for the activities found in the newsletter.

The text and activities in the newsletter and in this supplement correlate to the Ohio Department of Education Learning Standards for third and fourth grades.

We produce this student newsletter once each school year. If you would like to receive classroom copies next year, please contact our new Education Specialist Carin Miller at 216.443.3731 or cmiller@cuyahogacounty.us. You can also sign up to receive our e-newsletter for teachers, which is emailed quarterly. To sign up, go to **CuyahogaRecycles.org**, scroll to "Subscribe to our newsletter," enter your information, and click "Resources for Educators." You can also subscribe to our "Talking Trash Newsletter," which includes recycling tips and tricks.

We provide additional resources for teachers and other educators at our website. Simply go to **CuyahogaRecycles.org/teacher_resources_links** for lesson plans, professional development opportunities and helpful links about reducing, reusing, recycling, composting and other environmental topics.

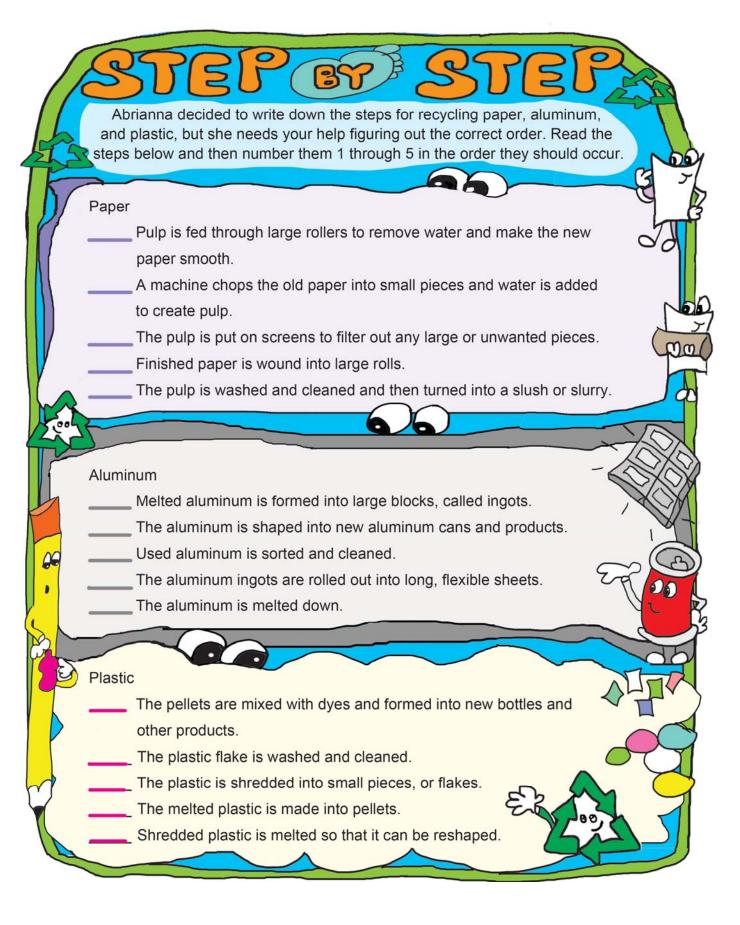
As always, we welcome your comments and suggestions on all of our programs.

The Cuyahoga County Solid Waste District is the leading resource in Cuyahoga County for information, expertise and programs that support sustainable materials management and reduce the environmental impact of waste. Our six staff work to empower residents, communities and organizations to manage their waste responsibly by reducing, reusing, recycling and composting. The District is governed by a Board of Directors and is advised by a Solid Waste Policy Committee which oversees the development and implementation of the Cuyahoga County Solid Waste Management Plan.

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CuyahogaRecycles.org





Reuse Ideas

Math: List the factors of 16, 28 and 30. What is their greatest common factor?

English Language Arts: Write these words in ABC (alphabetical) order:

relearning recycling remember responsible receiving

Science: Complete this analogy: glass: jar:: aluminum:

Social Studies: If the student council makes decisions about activities, which kind of democracy is operating?

direct democracy representative democracy

Journal Writing Prompt: List three reasons to donate clothes you have outgrown.

Teacher Keys

Article Text (pages 1-4)

Correlation to Ohio Learning Standards:

English Language Arts: Grade 3: Rl.3.1; Rl.3.2; Rl.3.4; Rl.3.7; L.3.4; L.3.6 / Grade 4: Rl.4.1; Rl.4.2a; Rl.4.4,; Rl.4.7; L.4.4; L.3.6

Beginnings & Endings (page 1)

Correlation to Ohio Learning Standards:

English Language Arts: Grade 3: RF.3.3; L.3.2; L.3.4 / Grade 4: RF.4.3; L.4.4

Terms: dispose, responsible, incorrect, easier, recycled

Answers: 1. recycled; 2. responsible; 3. Dispose; 4. easier; 5. incorrect

Good Work (page 2)

Correlation to Ohio Learning Standards:

Social Studies: Grade 3: Geography 5, 6; Government 10; Economics 15 / Grade 4: Geography 10, 12; Economics 21

English Language Arts: Grade 3: RF.3.3; RF.3.4c; L.3.2f / Grade 4: RF.4.3; RF.4.4c; L.4.2d

Answers: 1. naturalist; 2. solid waste engineer; 3. forester; 4. solar contractor; 5. journalist; 6. recycling technician; 7. landfill operator; 8. composter; 9. research scientist; 10 director

Counting the Votes (page 2)

Correlation to Ohio Learning Standards:

Social Studies: Grade 3: Geography 6; Government 10 / Grade 4: Government 16

Math: Grade 3: 3.OA.7; 3.OA.8; 3.NBT.1 / Grade 4: 4.OA.3; 4.NBT.3; 4.NBT.6

Answers: 1. 63%, yes; 2. 7%, no; 3. 93%, yes; 4. 83%, yes; 5. 3%, no; 6. 53%, yes

Cycling Around (page 3)

Correlation to Ohio Learning Standards:

Social Studies: Grade 3: Geography 5, 6; Economics 17, 18 / Grade 4: Geography 12

Science: Grade 3: 3.ESS.3 / Grade 4: 4.PS.1

Answers: 1. A factory manufactures...; 2. You buy the drink...; 3. You place the empty can...; 4. The can is taken...; 5 The sorted aluminum cans...; 6. The bars are sent...

Fraction Action (page 4)

Correlation to Ohio Learning Standards:

Math: Grade 3: 3.NF.1; 3.NF.3 / Grade 4: 4.NF.2; 4.NF.3d; 4.NF.4

Answers: Ava gave away 2 shirts; Abigail gave away 4 shirts; Trinity gave away 3 shirts

Step by Step (Teacher Supplement)

Correlation to Ohio Learning Standards:

Science: Grade 3: 3.ESS.3 / Grade 4: 4.PS.1

English Language Arts: Grade 3: Rl.3.3 / Grade 4: Rl.4.3; Rl.4.5

Answers: Paper: 4, 1, 3, 5, 2; Aluminum: 3, 5, 1, 4, 2; Plastic: 5, 2, 1, 4, 3