

Boxes, boxes, everywhere!

More and more people are choosing the convenience and safety of online shopping. Buying items online and having them delivered to your home is popular yearround. But especially during the COVID pandemic, your

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family might see those shipping boxes, packing materials, and padded envelopes begin to pile up. Before tossing boxes into the recycle bin, please first consider

> how you might get one more use out of them instead. Free online marketplaces like Freecycle,

Craigslist, or Nextdoor often allow an adult in your home to connect with neighbors who are moving and need boxes and packing materials. If you need ideas for making cool toys out of recycled boxes, check out www.mom junction.com/articles/cardboard-box-crafts-forkids_00382343/#gref and www.popularmechanics.com/ home/how-to-plans/a33407248/recycle-reuse-upcycleamazon-cardboard-box/ or search online. Give the boxes one more use before recycling!

Here is what to do with the packaging that remains:

- Cardboard shipping boxes should be recycled. Please flatten the box before recycling, and place the dry, empty, flattened box into the recycling cart or bin.
- Deflated plastic packing pillows, bubble wrap, and plastic mailing envelopes can be recycled in the same way you would recycle plastic bags and other plastic film. Collect the bags and film in your house and then drop them off for recycling in take-back bins at local retail stores, such as Kroger, Walmart, Target, and Lowe's.
- Packing peanuts are typically made of expanded polystyrene foam and are not accepted for recycling. These may be accepted at local package shipping

stores for reuse. Call ahead to make sure they are currently accepting the items you have.

• Shipping envelopes or other packaging which contains a mix of paper and plastic that cannot be separated should go into the trash.

Spring greening

As the grass greens up and the trees sprout new leaves, you may feel new energy as you move out of winter and into spring. This is a great time to add more green to your classroom! Our education coordinator has a lot of fun, hands-on, in-person



and video lessons on reducing, reusing, recycling, preventing and cleaning up litter, composting, and more. Ask your teacher, scout leader, or club sponsor to contact us using the website form at www.niswmd.org/education for up-to-date information regarding available free programs. Remind your teacher that we get busy as Earth Day gets closer in late April.

In the meantime, if you're looking for some fun games, videos, and downloadable workbooks online, visit www.epa.gov/students/games-quizzes-and-more. We hope to see you soon. Happy spring!

Be in the know

- Visit www.niswmd.org for any changes or updates to our drop-off recycling programs or collection events.
- Visit our blog at www.niswmd.org/blog where we feature short posts about recycling, composting, caring for the environment, and more.

Who's the expert now?

You probably know a lot about recycling. Are you the

recycling expert in your family? Would you like to be? Read on to learn more. First, you should know why recycling is important. Here are our top five reasons to recycle:

- 1. Recycling saves energy.
- 2. Recycling conserves natural resources.
- 17ARDO
- 3. Recycling reduces air and water pollution.
- 4. Recycling helps create manufacturing jobs.
- 5. Recycling is EASY!

Second, know what materials we accept locally. Recycle these items:

- Metal food and drink cans
- #1 #7 plastics
- Glass bottles and jars
- Paper and cardboard, including boxes, empty toilet paper and paper towel tubes, junk mail, newspaper, magazines, catalogs, printer paper, and school papers
- Household batteries Place standard, rechargeable, and button batteries in the special drop-off box. Please do not leave car batteries or PowerWheel batteries.

Third, prepare your recyclables correctly. Food and drink containers should be emptied and rinsed. Make sure that paper products are clean and dry (no greasy pizza boxes!). Flatten boxes before recycling to save space in bins and carts. Caps should be placed back onto recycled plastic items or thrown into the trash.

Fourth, you need to know what does NOT belong with your recycling. Contaminating your recycling can cause lots of problems. Sometimes, unacceptable materials can even ruin an entire batch of recyclables at the processing center. Please don't put these items into curbside carts or drop-off recycling bins: plastic bags, plastic furniture and toys, furniture, tires, hazardous chemicals, light bulbs, and Styrofoam.

Clean, dry plastic bags and wrap can be dropped off at special recycling bins at local grocery and home improvement stores. Hazardous waste can be dropped off year-round between 8 a.m. and noon on Fridays at the District facility in Ashley, located at 2320 West 800 South (on State Road 4, one mile east of I-69). Everyone who lives in DeKalb, LaGrange, Noble, and Steuben counties can use the Ashley facility. Some fees apply. Learn more on our website, www.niswmd.org.

Usable toys and furniture can be donated to Goodwill, a local shelter, or another charity, but broken toys and furniture should be sent to the landfill.

Finally, know where to recycle. Curbside recycling is available in some communities within the District. Residents should inquire with their city/town for program details and guidelines. You can drop off recycling at any of our 16 District Recycling Drop-Off Centers. These dropoffs are open 24/7. If you have any questions, please visit www.niswmd.org.

Working together, we can help take care of the only planet we have. Now who is the recycling expert? You? Yes, vou!

Can you believe it?

Because of the pandemic, EACH MONTH about 129 BILLION (with a B!) disposable face masks and 65 billion plastic gloves are being used and thrown away, according to scientists at the ocean protection organization Ocean Conservancy. Because both masks and gloves are lightweight and blow around, and because some people are careless about how they are thrown away, scientists estimate that about 1.5 billion disposable face masks ended up in the ocean in 2020.

NEVER throw masks, wipes, or latex gloves on the ground or in the recycling bin. They belong in the trash can. For extra protection to wildlife that might get tangled, cut the ear loops of face masks before throwing them away. For a healthier planet, use reusable face masks, when possible.







All In One Bin, Toss It In!

District Recycling Drop-Off Centers

Recycling at our drop-off stations is easy! Instead of separate bins for different items, we have one bin for all of your recycling. No more sorting! The bins are painted and labeled to make it super easy to understand. Please remove all items from bags and take the plastic bags with you to reuse or throw away. These drop-offs are open 24/7.

DeKalb County

Auburn – 19th Street at the Highway Department Butler – Street Department on Depot Street Garrett – North Cowan Street – parking lot of Garrett Recycling Center

Noble County

Albion – Behind the County Highway Department Avilla – Water Department on 4th Street Kendallville – Street Department on Weston Avenue Ligonier – US 6, just west of SR 5 Rome City – Street Department on Kerr Avenue

LaGrange County

LaGrange – Near Water Department and the LaGrange Drop-Off Convenience Center Shipshewana – SR 5 at the Police/EMT Garage Topeka – West Lake Street

Steuben County

Angola – Steuben County Convenience Center by 4-H Fairgrounds at 2251 W. County Road 175 Ashley – NISWMD offices Fremont – Albion and Bell Hamilton – Town Hall on SR 427 South Orland – Bunch's Shop Rite

Just say NO!

Plastic trash bags and any other plastic bags or plastic wraps do not go into regular recycling bins. Take empty, clean bags and plastic wrap to special drop-off boxes at grocery and home improvement stores for recycling or throw them into the trash. Thank you!

Restore our Earth

On Thursday, April 22, we celebrate the 51st Earth Day with the theme, "Restore Our Earth." Each year, Earth Day is a time to celebrate the ways we have made our planet cleaner and to learn about what we can do better. Americans have been celebrating our special planet

and Earth Day since 1970, and the 2021 theme urges us to work together to help repair and restore our environment.

While Earth Day is a great time to do something extra for our planet, we need to remember that we should take care of our amazing planet every day. It's like your brother or sister — you celebrate their birthday, but it's good to be nice to them all year! The Earth is our home, and it's



the only one we've got, so we should treat it well. Here are some things you can do year-round to take care of our home planet:

- Save energy: Turn off computer monitors or laptops when you aren't using them. Unplug power adapters for cell phones, tablets, and laptops when you aren't charging or using the devices. Turn off lights when you leave the room. Encourage your parents to buy energy-efficient light bulbs, like compact fluorescent lamps (CFLs) or LEDs, to replace burned-out incandescent bulbs. Oh, and don't stand with the refrigerator door open! Take a peek and think about the food with the door shut.
- **Conserve water:** Turn off the water while you brush your teeth. Run the washing machine and dishwasher only with full loads. In the shower, save water by getting clean and getting out.
- **Reduce your waste:** There are lots of small ways to do this. Use both the front and back of your papers. If you take lunch to school, use washable and reusable containers and a reusable lunch bag or box. Before you buy something new, think about whether you really need it or look for something used. (A used hoodie will keep you just as warm!)
- **Recycle:** Recycling is for more than just bottles, jugs, cans, jars, papers, and cardboard. Make sure you're also recycling batteries, computers, appliances, inkjet cartridges, and more. Not sure how? Just ask us or visit our website, www.niswmd.org.
- **Spread the word:** Just because you know about all this stuff doesn't mean that your brothers, sisters, cousins, parents, aunts, uncles, grandparents, or neighbors do! Be the teacher and explain to them why it's important to help our planet. Share your ideas about how they can help.

When we keep our planet clean, we keep everyone's home clean. Learn more at www.earthday.org or www. epa.gov/students.

Litter in the can, not on the ground



Walking down the street or school hallways, you may notice small pieces of litter lying around. During the pandemic, we have seen a lot of masks and takeout food trash on the ground, too. While one piece of litter may not seem like a big deal, it can lead to big problems.

According to Keep America Beautiful, people are more likely to drop litter where they see other litter on the ground. Once an area becomes littered, more and more litter is likely to pile up until it becomes a nasty mess. Litter doesn't just make an area look messy; it can actually be harmful to people and animals. Litter can clog storm drains and pollute streams, rivers, lakes, and oceans. Animals can mistake litter for food and eat something harmful to them. So that one candy wrapper that you drop on the playground may cause serious problems!

Here are some tips to prevent and reduce litter:

- Don't litter!
- Make sure the lids are closed on curbside trash and recycling containers.
- Hold onto masks in the car so they don't blow away when the windows are open.
- Pick up litter. Ask a parent or teacher how to do this safely. To find out when spring cleanup is happening in your area, please have an adult call your city/town hall.
- Organize a litter cleanup at school, at a park, or in your neighborhood. Consider using tongs, gloves, or garbage grabbers to pick up trash safely.
- We love to teach about litter prevention! To set up a presentation or request educational materials, please visit the Education page at www.niswmd.org.

Grasscycle those clippings

Do you make new plans during the spring? Maybe you start walking the dog, going to the park, kicking around the soccer ball, or planting flowers. Spring also means it's time to start mowing the lawn!

It's the time of year when the mower is pulled from its

place in the garage and put back to work on the growing grass. That means it's also a good time of year to talk to your family about grasscycling your lawn clippings.

Grasscycling is actually less work. Instead of stopping to empty the bag of the mower, leave the clippings on your lawn and let nature do the rest. The clippings are small and will break down quickly. This gives your lawn food that it needs (called nitrogen), as well as moisture. So not only is grasscycling easier for your family, but it is also Nitrogen – noun – A colorless, odorless gas that makes up almost 4/5 of the air on Earth and is required by all living things



better for your lawn. That's what your parents would call a winwin situation!

It's easy to grasscycle. All you need is the mower you have at home. Simply have an adult remove the bagging attachment and, if needed, insert a safety device over the grass chute. If there isn't a bag attached to your mower, you're already set to grasscycle. Mow as usual, letting the grass fall back onto your lawn.

Talk to your family now about grasscycling! If your parents or grandparents want more information, have them visit our website, www.niswmd.org.

Did you know?

Grass, leaves, and small branches don't have to be thrown into the trash. These materials can be brought to the yard waste compost lots located throughout the District. These lots offer a place for residents to drop off yard waste, and when available, residents can get mulch and compost to use in their landscaping and gardens. Visit our website, www.niswmd.org, for details, hours, and locations.

Care for yourself and the planet with WALL-E!

Earth Day during a pandemic is the perfect time to watch the Pixar movie WALL-E, available at many local libraries and on streaming services. The animated film focuses on the life of a very lonely robot who

has spent the last 700 years all by himself tidying up a very polluted Earth while all the humans inhabit a spaceship waiting for the planet to be clean enough to live on again.

This family-friendly movie is a great reminder of how important it is for us to stop buying so much stuff and to start reusing and recycling everything we



can. Who would want to live in such a trash-filled world? (Not even fictional cartoon characters!)

WALL-E also teaches about how to deal with loneliness. The humans in the film are unhappy, sitting around looking at screens all day, waiting for Earth to become safe again. Sound familiar? Like the characters in the movie, many kids and adults have felt alone or sad during the pandemic. To feel better, WALL-E dances to music, repurposes trash to make gifts for his robot girlfriend EVE, and plays with his pet. The humans in the movie only start to feel better when they turn off the screens and begin to exercise and talk with each other.

This unique Earth Day, please take the time to think about what you can do to make the Earth healthier. This may include not littering and working to recycle more. For recycling information, visit our website at www. niswmd.org. We also have earth-friendly tips in this newsletter! While you are caring for the Earth, remember to take care of yourself, too. Turn off the screens for an hour or two, exercise, go out in nature, talk with a friend or parent, play with a pet, listen to music, dance, make gifts out of repurposed trash, or do other activities that help you reduce stress. We need happy, healthy people to help take care of our Earth!

Questions about the film WALL-E

- 1. It is clear that WALL-E is lonely at the beginning of the movie. What does WALL-E do to make himself feel better? What makes you feel better when you are lonely or sad?
- 2. Can you guess why the Earth is so trashed in this movie? What could we do to make sure that our Earth never becomes as polluted as the one in the movie?
- 3. What is your favorite part of the movie? Why?

Taking out the trash

Have you ever been asked by your parents to take out the trash but you didn't want to? In Shel Silverstein's poem, "Sarah Cynthia Sylvia Stout Would Not Take the Garbage Out," Sarah Cynthia Sylvia refuses to take out her family's trash. The problem gets so bad that the garbage ends up reaching "across the state, / From New York to the Golden Gate"! Eventually, Sarah's "garbage reached so high / That

it finally touched the sky."

While the poem is fun to read, you probably know that one family's trash couldn't actually cover the entire country or reach the sky. But think about the garbage truck that goes through your neighborhood every week. Together, we and our neighbors do create a lot of trash.



Besides taking trash

to the curb, what else could Sarah

have done? She had "coffee grounds, potato peelings, brown bananas, rotten peas." Maybe her family could have used a vermicompost bin or a backyard compost pile.

Before you take the garbage out, look in your family's trash. Do you see bottles, cans, jars, cardboard, or paper that could have been recycled? What about carrot peels, old bread, or eggshells that might have fed worms in a vermicompost bin? Are there grass clippings or leaves that might have gone into a backyard compost bin? Don't be like Sarah Cynthia Sylvia Stout! Help your family put trash and recycling in the right place.

To learn more about recycling, visit www.niswmd.org. And, please, take the garbage out!



Jack is trying to find out more about recycling. However, he needs your help because some of the words are scrambled. Unscramble the words in bold and use them to complete the sentences. 1. All items placed into the recycling bins should be _____, and _____. ytpme nalec yrd 2. In most places, _____ bottles, _____ cardboard, and cans are accepted for recycling. citslap reppa letam 3. Items should be placed loose into the recycling carts, not inside citslpa bgas 4. Never place plastic bags, garden _____, cords, and anything that could ______ into the recycling bins. These items can break the sorting equipment in the recycling facilities and _____ the workers. ohess anletg mhar 5. Recycling saves _____, conserves natural _____ creates _____, and reduces the need for ______ space! gyenre cersseoru bojs fildanll A FILE (IL 1. Gas is to cars as ______ is to appliances. 2. Chlorine is to swimming pools as detergent is to 3. Earth Day is to April 22 as ______ is to July 4. 4. Aluminum is to a can as ______ is to a milk jug. 5. Repair is to fix as ______ is to swap. Page 6

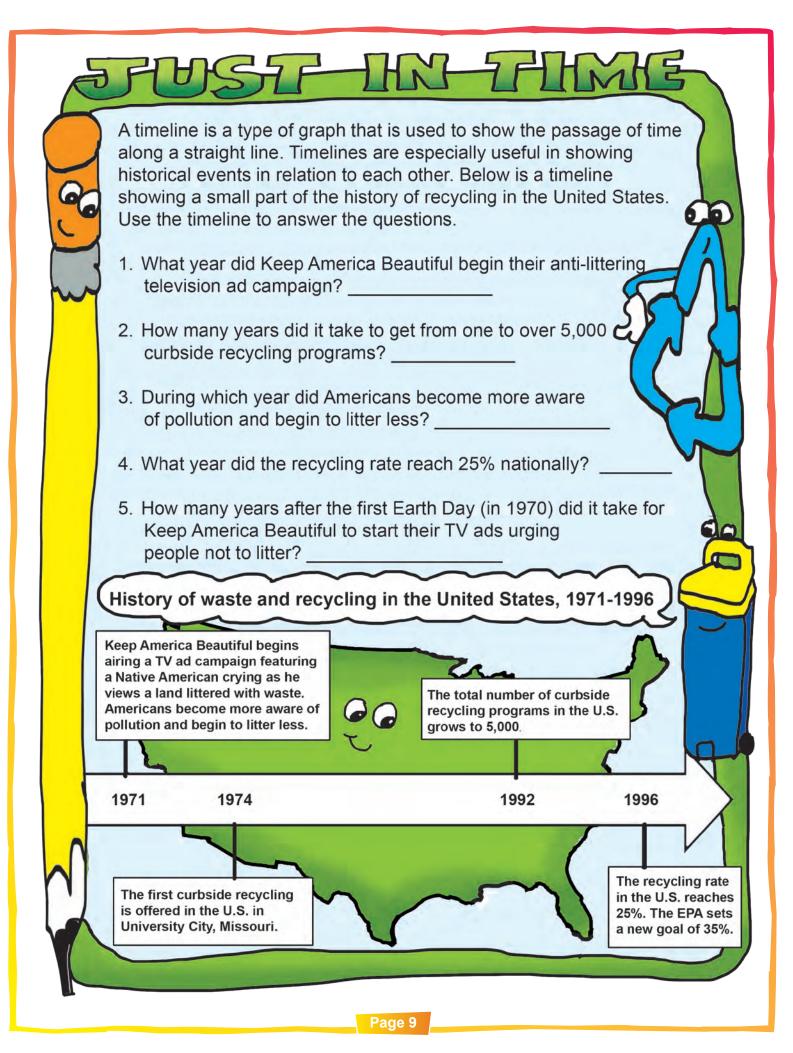
Homo means "same" and nym means "name" (spelling or sound), so homonyms have the same sound but different meanings.		
Reading can be a mystery. Some words are		
spelled exactly the same but can mean different things. You need to think like a detective looking for		
clues and read the entire sentence to figure out the correct meanings for these words. Some homonyms, like the ones shown below,		
include words that are spelled and pronounced the same but have different meanings. Fill in the blanks with the correct homonym pair for		
each sentence. The first sentence has been done for you as an example.		
left crane play pitcher back fall tire park		
1. I tire of seeing the discarded tire that litters the field where I play.		
2. A white flew above the used for moving heavy		
items at the landfill.		
3. In the after the leaves to the ground, they can		
be placed in a compost pile.		
4. My sister will dance in the Earth Day while I the guitar.		
5. My parents their e-waste on the side of the collection area.		
6. Mr. Goldstein is happy to be at school after he was out		
with a injury.		
7. The baseball asked for a of water so he		
wouldn't have to use bottled water.		
8. Dad will the car near the where we will pick up litter.		
Bonus: Write a sentence using the homonyms rose (a type of flower)		
and rose (the past tense of rise).		
and and and a		

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Graphs are a really easy way to look at data (information). A stacked bar graph uses bars of different lengths stacked next to each other to represent amounts to be compared. To celebrate Earth Day, Sally's family picked up litter at their favorite park. Sally created the stacked bar graph below to compare the types of litter collected. Litter collected at the park Sally drink pouches Mom Uncle 00 plastic bags plastic bottles cigarette butts Candy wrappers cans 8 10 12 14 Number of items collected GUT Use the information from the bar graph above to answer the following questions: 1. What color is used to show how many items Sally picked up? 2. How many drink pouches were collected in total? 3. Who collected the most litter? How did you figure that out? 4. How many plastic bags did Sally's uncle pick up?

- 5. Sally and her mother collected the same amount of what kind of litter?
- 6. Which was the most littered item?
- 7. Which were littered more, drink pouches or cans?

Bonus: Why do you think small items like cigarette butts and candy wrappers were littered so much?





Math

- Do 1/13 and 1/5 have a common denominator?
- Solve this problem:
 1/4 + 1/5 + 1/13 + 1/9 + 1/7 = _____
- If 3 people collected a total of 46 items of litter, what is the average number collected by each person?
- Write 1996 in expanded form.

English/Language Arts

- Based on your knowledge of "recycling," what might the prefix "re" mean?
- Choose the adverb and use it in a sentence:
 - play player playfully played
- Write these words in ABC (alphabetical) order:

paper plastic play pitcher park pollution programs

 In "Inspect to Detect," find a word that starts with P and is an antonym for *work*.

Science

- Select the term that doesn't belong: aluminum steel plastic copper
- Would a magnet stick to a steel soup can or an aluminum beverage can?
- List five common types of litter you might see on a roadside. What is each type of litter made from?
- Complete this analogy: mined : minerals :: _____: crops

Social Studies

- Who was President of the United States in 1971?
- The founder of Arbor Day, J. Sterling Morton, was from Nebraska. Find that state on a map.
- Keep America Beautiful's 1971 advertising campaign was considered a "public service announcement." What is a "public service announcement"?
- Using local and state maps, find a local park and a state park. What state park is closest to where you live?

Journal Writing Prompts

- By adding prefixes and suffixes to the word "*cycle*" make as many new words as you can.
- List new goods that can be made from recycled paper, aluminum, and plastic. What are some of the benefits of making new goods from recyclables instead of raw materials?
- Create a story about a litter cleanup using these terms: *Earth Day, candy wrapper, drink cup, trash bag, pick up, friend, playground,* and *littered.*
- Write a haiku about recycling. Be creative!

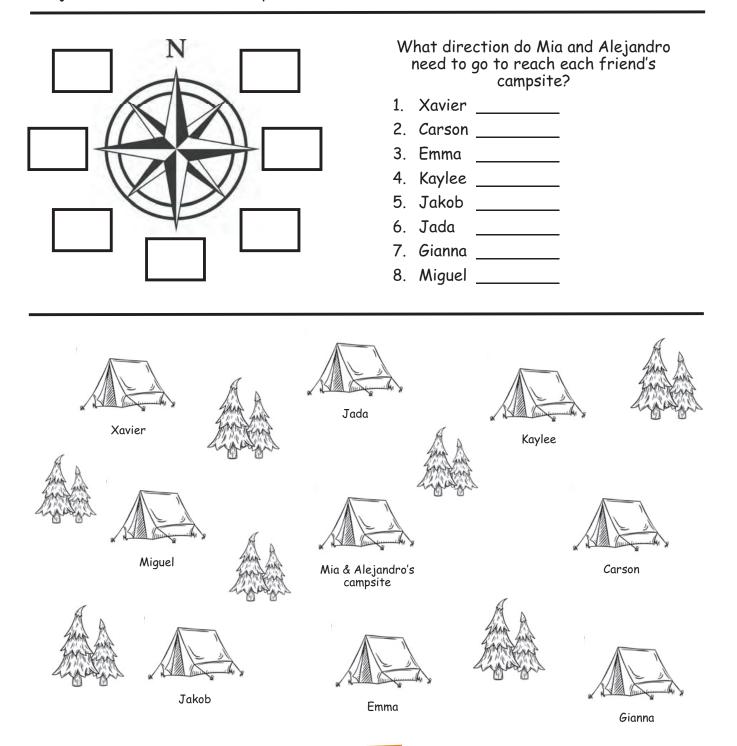
Extension Activity

In "Compass Confusion," students will practice their mapping skills by using cardinal and intermediate directions and determining the direction from one place to another on a map.

Compass Confusion

Name: _

Directions: Mia and Alejandro need to get information about the Earth Day litter cleanup, picnic, and campfire to all of their friends who are camping in the nearby woods. However, their cell phones aren't working this far from town, so they need to hike to each campsite. They have a problem though. Their compass is only marked with North. Fix the compass by filling in the remaining directions and then use it to guide Mia and Alejandro to each friend's campsite.



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Teacher Keys

Scrambled Mess

- 1. empty, clean, dry
- 2. plastic, paper, metal
- 3. plastic, bags
- 4. hoses, tangle, harm
- 5. energy, resources, jobs, landfill

Just in Time

Compass Confusion

- 1. 1971
- 2. 18
- 3. 1971
- 4. 1996
- 5. One year

All in the Analogy

- 1. electricity
- 2. washing machines
- 3. Independence Day (OR Fourth of July/July 4th)
- 4. plastic
- 5. trade OR reuse

Grasping Graphs

- 1. blue
- 2. 4
- 3. Sally; added the blue bars
- 4. 0
- 5. cigarette butts
- 6. cigarette butts
- 7. cans

Bonus: Answers will vary but will likely mention the small size.

Inspect to Detect

- 1. tire
- 2. crane
- 3. fall
- 4. play
- 5. left
- 6. back
- 7. pitcher
- 8. park

Bonus: Answers will vary.



- 1. NW
- 2. E 3. S
- 5. 5 4. NE
- 5. SW
- 6. N
- 7. SE
- 8. W

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Skills and Standards

Activity	Subject Areas	Skills Addressed
Inspect to Detect	English/ Language Arts	Identifying relationships among words, including more complex homographs, homonyms, synonyms, antonyms, and multiple meanings; Applying foundational reading skills to build reading fluency and comprehension; Demonstrating command of grade appropriate spelling
		Grade 3: 3.RV.2.2; 3.RF.1; 3.W.6.2c; 3.RV.3.2 Grade 4: 4.RV.2.2; 4.RF.1; 4.W.6.2
Grasping Graphs	Math	Answering questions using provided data; Using observations to interpret the data using tables, line plots, and bar graphs; Reasoning abstractly and quantitatively; Writing tenths and hundredths in decimal and fraction notations
		Process Standards (all grades): PS.1; PS.2; PS.4; PS.5; PS.6 Grade 3: 3.NS.6; 3.DA.1 Grade 4: 4.NS.6; 4.DA.1; 4.DA.3
Scrambled Mess	Science	Developing solutions that could be implemented to reduce the impact of humans on the natural environment; Describing methods humans currently use to extend the use of natural resources; Investigating ways individual communities protect the Earth's resources and environment
		Grade 3: SEPS.8 Grade 4: SEPS.8; 4.ESS.4
Just in Time	Social Studies	Interpreting timelines that show relationships among people, events, and movements in history; Understanding events and developments that brought important changes; Demonstrating an understanding of civic issues; Examining ways people have tried to solve environmental problems
		Grade 3: 3.1.4; 3.1.5; 3.2.7; 3.3.12; 3.3.13 Grade 4: 4.1.15; 4.2.6
	English/ Language Arts	Applying knowledge of text features to locate information and gain meaning from a text using charts and graphs; Explaining the relationships between two or more individuals, events, ideas, or concepts in a historical text
		Grade 3: 3.RN.3.1; 3.RN.2.3; 3.RN.3.2 Grade 4: 4.RN.3.1; 4.RN.2.3; 4.RN.3.2
All in the Analogy	English/ Language Arts	Determining how words and phrases provide meaning to literature, including figurative language (e.g., similes, metaphors, or hyperbole); Identifying relationships among words, including multiple meanings, synonyms and antonyms, homographs, metaphors, similes, and analogies
		Grade 3: 3.RV.2.2 Grade 4: 4.RV.3.1; 4.RV.2.2
Article Text	English/ Language Arts/ Media Literacy	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; Developing media literacy
		Grade 3: 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; 3.ML.1 Grade 4: 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; 4.ML.1