Reduce, Reuse, Recycle and Rethink
What is RecycleMania?

- RecycleMania is a friendly competition and benchmarking tool for college and university recycling programs to promote waste reduction activities to their campus communities.
- Over an 8-week period each spring, colleges across the United States and Canada report the amount of recycling and trash collected each week and are in turn ranked in various categories based on who recycles the most on a per capita basis.
The 4 Rs’ Defined

• **Reduce** – Waste reduction means reducing the amount of waste that we, you and I, produce each day. By using less we help conserve resources. Reduction is the first choice in reducing the waste stream. For example when buying products look for those that use the least amount of packaging.
The 4 Rs’ Defined

- **Reuse** – The next best way to reduce waste is to reuse something before we either recycle it or throw it away. Storing food in reusable containers rather than disposable bags is one example of reusing.
The 4 Rs’ Defined

• **Recycle** – Many things like soda cans, milk containers, newspapers and some plastics are easily recycled. Recycling is the process of taking a product at the end of its useful life and using some or all of it to make another product. When using things that cannot be reused try to make sure that those things are made of materials that can be recycled.
The 4 Rs’ Defined

• **Rethink**— Rethinking materials or energy from waste that cannot be reused or recycled. Recovering energy from waste materials is a growing technology.
Common Recycling Mistakes

• Don’t recycle bottles with liquid inside!
  - Liquids increase the programs expense and decrease its efficiency and success
What do you think are the common mistakes of recycling?
Common Recycling Mistakes

• Don’t recycle “clamshell” plastics
  – Brittle plastics break easily and don’t survive the sorting process.
Common Recycling Mistakes

• Don’t put your bottles in a plastic bag!
• Don’t recycle stained paper- Throw it out!
  – Paper is very absorbent to oils
• Don’t recycle “Microwave safe” materials
  - They are heat resistant
  - Things like: take out containers, dinner trays
GLASS
Broken glasses, light bulbs, mirrors and windows should go directly into your tan refuse cart.

METAL
Scrap metal such as this bar, shelving, and automobile parts should not be placed in your recycling cart. They can be brought to a drop-off site for recycling.

STYROFOAM
Styrofoam cannot be recycled. All Styrofoam should be placed in your tan refuse cart.

PLASTIC PACKAGING
Plastic blister packaging like this cannot be recycled. It should go directly in your tan refuse cart.

LOOSE PLASTIC BAGS AND FILM
Plastic bags, sheet plastic and plastic film should be placed inside a plastic bag before going in your green recycling cart. Loose bags jams our sorting equipment.

CUPS
At this time we can only recycle #2 and #5 cups. These are heavier plastic. We cannot recycle other plastic cups or paper cups of any kind.

RIGID PLASTICS
Hard, rigid plastic should not be put in your green recycling cart. You can recycle it at our drop-off sites.
E-Waste
Computers, Monitors, & Televisions

- Contain Heavy Metals
  - Lead, Cadmium, Copper, Nickel, Tin, Cobalt
- Improper Disposal – Contaminate Landfill and Groundwater
- Classified as Universal Hazardous Waste
  - Cannot Be Thrown into Regular Trash
Man made things that cause pollution

- Cars
- Factories
- Land Fills
- Nuclear Plants
- Homes
- Plastic
- Electricity/Energy
- Littering
- Smog
- Electronics
Why Should I Recycle?

Recycling saves energy, conserves natural resources, limits pollution, and supports several sectors of the economy.

Here are some important statistics from the U.S. Environmental Protection Agency and other resource industry groups that will explain each of these benefits of recycling in greater detail.

**Save Energy**
recycling 1 can = 3 hours of TV, (yes, with a “T”!) kilowatt hours of electricity.

**Conserve Natural Resources**
• Americans disposed of 83 million tons of paper products in 2003.

**Limit Pollution**
• Recycling just half of your annual recyclable household waste saves 2400 pounds of CO2 being released into the atmosphere.

www.free-power-point-templates.com
Residential Municipal Solid Waste Nationwide
50 Cool Things You Can Recycle (Hand out)

1. Old bricks, worthless? No, those **bricks can be recycled**, and are very valuable to some people!

2. Use reclaimed wood for your next project at home. Use your own, or find some on freecycle, Craigslist, at your local transfer station, or recycle.net.

3. There are many places you can exchange or recycle your **old electronics**.

4. Sell off or post an ad for free **metal scrap to be recycled**.

5. If you have enough, your old **VHS tapes can be recycled**

6. Packing tape and stickers cannot be recycled, so use these sparingly in the first place.

7. Tools are very valuable items on eBay. Try selling them in lots to save time, shipping waste, and energy.

8. Empty propane tanks may be able to be taken as scrap metal, or properly disposed of at hazardous waste facilities. Reuse these whenever you can!

9. Even large items like BBQ grills can be recycled as scrap metal once the propane tank has been removed.

10. Kids **toys** have a new life when they’re donated to thrift stores like Salvation Army or local churches.
11. Recycle your old prescription bottles, they have a million uses.

12. After they've been used up, recycle your old batteries.

13. How about other plastic numbers, what do those mean? You may be able to recycle some of them.

14. Flip flops can be recycled and repurposed a number of creative and unique ways.

15. Can’t figure out what to do with your old lamps, wall decor, or knick knacks? If you can’t eBay them, donate them to a thrift store for charity purposes. Craigslist and Kijiji are good alternatives, too.

16. Recycle your shipping styrofoam or reuse it.

17. Window treatments have the chance to live again as you recycle your curtains into pillows.

18. Carpet can be recycled if it is clean and usable.

19. Donate it, sell it, or recycle your television.

20. Stop by an Aveda location to recycle your bottle caps.

21. The rumor has been floating around that aluminum can't be recycled. While the rules may differ per town, you can still reuse it a few times by giving it a cleaning.

22. Reuse your old jeans in these 25 ingenious methods.
23. Why trash it? Your shower curtain is a great drop cloth or apron.

24. Your ink cartridges are accepted at many different locations online and in person, like Staples.

25. You might be able to trade in your old printer for a credit on a new one. They'll recycle it for you. There's always earth911, too.

26. Tires are a must to be recycled, and it's very easy.

27. Learn how you can recycle your roof shingles to become part of our roads.

28. Make sure when installing a new car battery that the mechanic will recycle it.

29. Cardboard boxes can be taken at your local recycling station, or sent curbside if they're small enough in most instances.

30. Save your old packing peanuts and recycle them by giving them to your local shipping company. They will gladly take them off your hands.

31. Your gently used clothing can be resold on eBay, or donated.

32. Good news! #5 plastics can be recycled at many Whole Foods locations.

33. Potato chip bags and those other foil packaging that often are used to wrap up junk food can be recycled at Terracycle.net.

34. Used (many times) ziploc containers and similar disposable plasticware can be recycled usually as #1 plastics.

35. Shaving cream metal cans are accepted in most recycling facilities with other metal cans.

36. Can tabs can be recycled with your cans. Don’t pull them off, that kidney dialysis machine time rumor is false.

37. You couldn't have enough options to recycle your cellphone
38. Blankets can be recycled by donating them to animal shelters (if clean).

39. Recycle your own scrap wood and furniture by reusing it, or donate it.

40. Save that box and make some Pizza box art, or maybe just recycle it if you follow these instructions.

41. Mattresses, aerosol cans, even washing machines can be recycled.

42. Bread twist ties will be your new best friend after you read these creative uses.

43. Reading glasses can be recycled and donated, and are always in demand.

44. Old books can be sold on Amazon, donated to thrift stores, donated to schools, and to hospitals. There’s always the yard sale option, too.

45. Freecycle your old sports equipment.

46. Did you know your old aluminum siding could be worth a lot of money?

47. Your old greeting cards can even be recycled creatively.

48. Wrapping paper is just paper and has many ways to be reused or recycled.

49. Don’t forget all types of glass bottles can be recycled -- wine bottles, jelly jars, colored glass... these are all accepted at most recycling facilities.

50. Your old screened doors have many ways that they can be recycled.

DID YOU FIND SOMETHING YOU CAN RECYCLE?
FUN FACTS

- Creating a new aluminum can from scratch takes 95% more energy than making a can from recycled aluminum.

- Making a ton of paper from recycled stock saves up to 17 trees and uses 50% less water than making paper from virgin fiber.

- Only 10% of the energy used by an incandescent bulb produces light; the rest is given off as heat.

- If every household in the United States replaced just one package of virgin fiber napkins with 100% recycled ones, we could save 1 million trees.

- If you replace just one out of four of your light bulbs with fluorescents, you can save about 50% on your lighting bill.
“Now anyone, anywhere can be a part of the recycling process - whether you are at home or at work, our site, our phone system and our app are all available, free of charge, to increase accessibility to the recycling process. It used to be a challenge to figure out how and where to recycle unwanted items - now, thanks to the variety of technologies we've developed, we are literally bringing simple recycling tools to everywhere life happens,” said John Shegerian, Chairman and CEO of Electronic Recyclers International (ERI)
Activity

- Split into two teams.
- Each team will have a limited amount of time to sort the selective items correctly.
- The team with the most amount items recycled correctly wins!
CONCLUSION

Recycling is very important for the environment and survival of mankind. Waste helps in piercing through our ozone layers making the earth a little more dangerous to live in and possibly causing global warming.