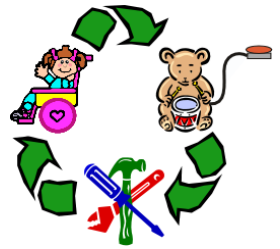


RePlay for Kids

Tips for Repairing a Toy or Assistive Device



STARTING

1. Sign in on the attendance sheet.
2. Choose an item from the boxes to work on. There are usually 4 categories
 - Off-the-shelf toys or already-adapted toys that need to be repaired.
 - Switches (in need of repair) that are used to operate adapted toys.
 - Communication devices (press a button and a recorded message plays).
 - Battery-operated toys that need to be adapted (see the “Tips for Adapting a Toy” sheet).

IF YOU WANT HELP CHOOSING AN ITEM, JUST ASK US

BEFORE TAKING APART A TOY

3. If it's not obvious, try and figure out what the toy/device does.
 - Play with the toy! Try to understand what needs to be done.
4. If it simply doesn't work at first, try the following:
 - Try new batteries (which are in containers on the tables). Test the batteries with the little voltmeter to make sure they are good.
 - Look for corroded, dirty, or bent battery terminals. If the batteries don't make good electrical contact, the toy won't work.
 - Look for a hidden on/off switch, especially in plush toys.
 - Sometimes there is a note that describes the problem.
 - Look for intermittent connections in a cable (especially in switches and usually at an end of the cable) by bending the cable and seeing if it still works.

REPAIRS

5. If you need to take apart a toy/device, try to find the least destructive way
 - The necessary tools are in the red toolkits. Extra tools are available – just ask.
 - Keep track of all the screws.
 - We have sewing kits if you need to tear into fabric.
 - Many items are glued, so you will need to pry, cut, or drill into the enclosure. We can re-glue after it's fixed.

IF YOU NEED HELP, JUST ASK US

6. We are making simple repairs
 - such as broken wires, loose parts, or unplugged connectors.
 - We don't usually replace bad motors or other circuit parts.
 - Some items cannot be repaired – that's OK.
7. See the soldering tips on the reverse side of this sheet.

FINISHING

8. When you finish, re-assemble the toy & fill out the repair tag (indicate whether it's repaired, unfixable or seemed to work fine)
9. Place the toy by the sign that says “Finished Toys”, whether it is repaired or not.

AT ANY POINT, IF YOU HAVE QUESTIONS, JUST ASK US

SOLDERING TIPS

SAFETY FIRST!

- Soldering irons are **HOT!**



- Glue guns are **HOT!**

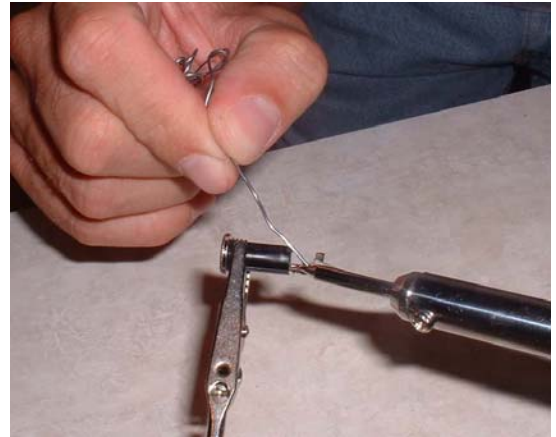


BE CAREFUL!

- Young children will use these toys
⇒ Do not leave sharp edges or small, choke-able pieces on the toy when you are finished

HOW TO SOLDER

- Use the clip to help hold the jack or cable wire
- Place the tip of the solder iron against the wire and let it heat up.
- Hold solder wire at tip until it melts into the cable wire
- Take the soldering iron away and let the junction cool down
- Use a small amount of solder to avoid shorting out other wires
- Inspect solder – It should be clean, shiny & smooth.
- Use solder wick to remove excess solder if you use too much.



Solder wire



Solder wick



Using solder wick to remove excess solder