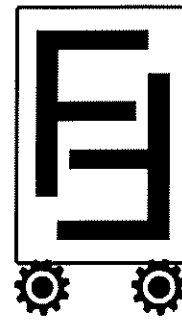


# FIX FORWARD LESSON PLAN



**Name:** Know Your Tools: Write a Fix It Cart Book

**Grade(s):** 1-4

## Lesson Focus and Goals:

At the grades 1-4 level, children have a wide range of experience with tools. Some have significant experience, others have no experience. Teaching tool identification and safety is essential for children to use the Fix It Cart!

## Materials Needed:

- Fix It Cart
- Blank Fix It Journal Template
- Writing/drawing materials

## Learning Objectives:

Children will draw and label the tools in each drawer of the Fix It Cart. Scaffold expectations to each students' level: some students should draw/label a single tool per drawer, other can draw/label/write about multiple tools.

## Structure / Activity:

**Teacher/Leader Prep:** Print blank Fix It Journals to use, or create your own book based on your Fix It Cart drawers. This lesson works particularly well when introducing an already stocked cart to a new classroom/group of children. (You may not want to do this activity if your children helped you unbox and stock the cart because it may be redundant---they already had an introduction to the tools through that process).

## Launch Day:

**Lead introduction discussion:** "Our Fix It Cart is full of real tools! The cart is for you to use, but first, we need to see the tools we have in the cart. Let's start with this first drawer." (HOLD UP LABELED DRAWER.) "What do you think is in this drawer?" Children will try to read label and raise hands or call out their guesses. "You are right! There is (tape/glue/screwdrivers/etc.) in this drawer!"

**Introduce each drawer:** These are real tools and supplies. Let's learn the name of everything and make sure we know how to safely use each item." Hold up items one at a time. "This is wood glue. Everyone say it---wood glue!" Give a short description of each item and safety notes. Reinforce basic safety all the time (for example: fingers stay out of clamps/pliers; tip of glue gun gets hot). If anything feels like it needs to be a "teacher use only" item, let children know that item is only to be used with a teacher.

## Fix It Journal:

Each child receives their own "Fix It Journal." Give children time to handle the contents of the drawer at their own pace and draw and label contents of each drawer.

### *A few tips to introduce drawers:*

- If you aren't totally familiar with each tool, that is okay! Take a moment to brush up on your own tool identification, or be prepared to admit you are learning alongside the children and watch a video or call in an expert to help to you learn.
- Adjust pacing to based on contents of each drawer and attention span of the group and be prepared to take time to introduce each drawer. For example: children will be familiar with "glue," but may be astonished to learn that there are many different types of glues.
- Prepare to extend and spend extra time with some drawers. For example: children may know about tape measures, but do they know how to properly handle a tape measure? Divide children into pairs to practice spooling out a tape measure and winding it back in with control.
- Children love learning the names of screwdriver tips. Brush up your tip terminology and have fun showing children how to draw and label each type of tip.
- If you have a drill and driver, teach children how to charge the battery. Start charging the battery and observe it throughout the day and notice when it is fully charged.

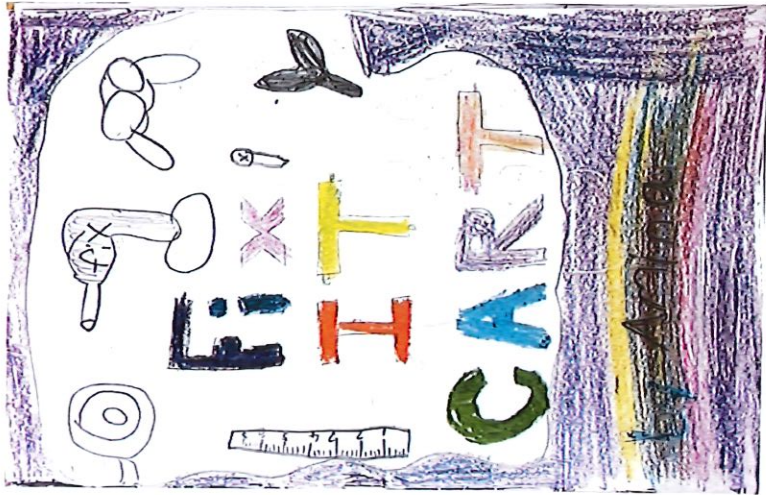






Office Supplies	Sewing
Scissors	Needles
hole punch	Thread
zip ties	Scissors
Sharpie	Eyes
White out	Cotton fluff
	Buttons
	Pins
	Fabric markers
	Seam ripper





Safety  
 safety goggles  
 safety gloves

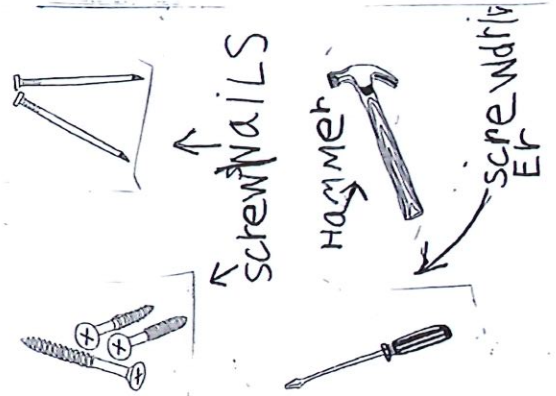


measuring  
 sewing tape  
 25  
 12  
 TAPING  
 MOVING



LEVELS

Hammer  
 Screwdrivers  
 Screws + nails



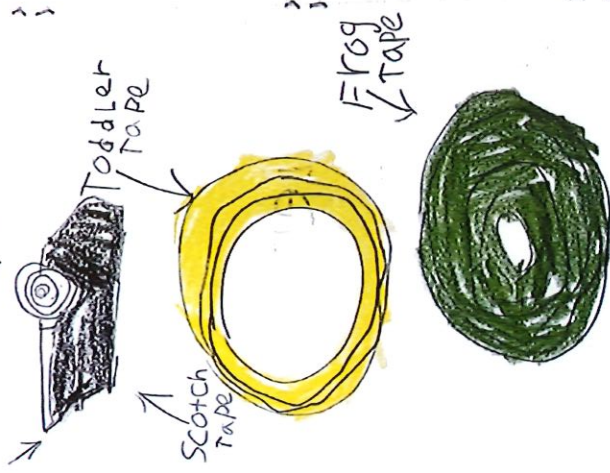
Pliers  
 Wire cutters  
 Clamps



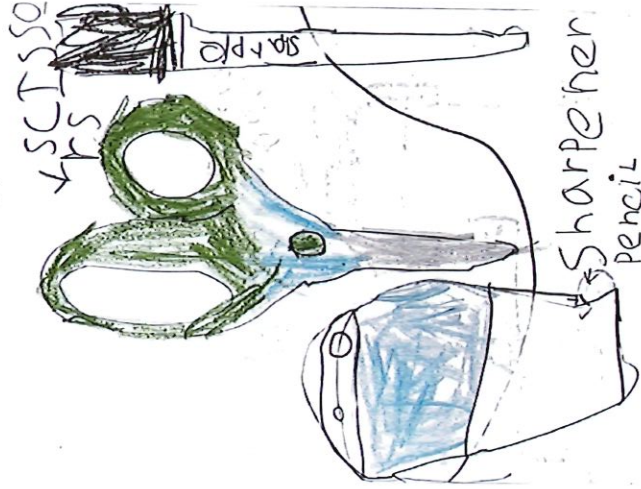
Staplers



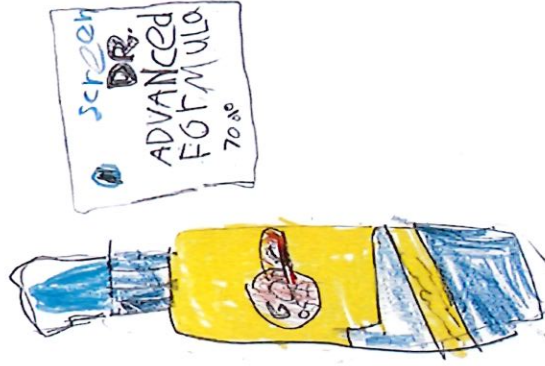
Tape



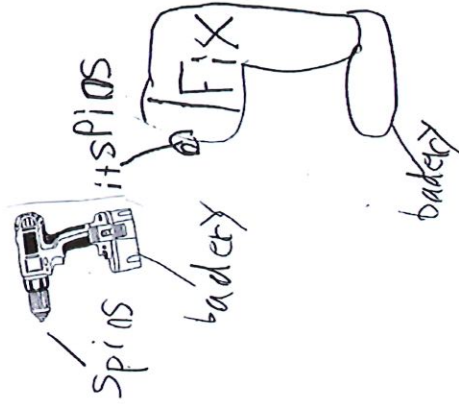
Office Supplies



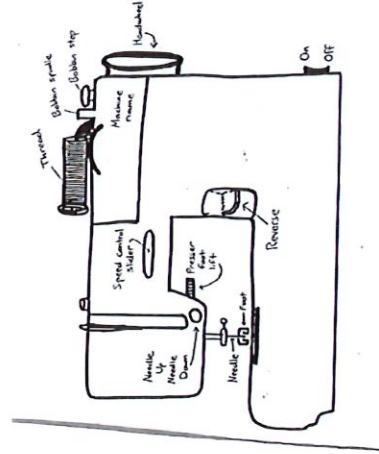
Cleaning



Drill and Driver



Sewing Machine



Tools I have used: A  
Drill and Driver

Tools I want to use:  
Stapler gun

