



Repairs

Life Skills – Elective Step 12

Purpose

The Repairs Elective will show the Trailman the advantages of repairing damaged items.




1. What is the difference between repairs and maintenance?
2. What are the advantages and disadvantages for repairing something vs. buying something new?
3. What are some things that can be repaired?
4. Can you repair something?

Notes to the Trail Guide //////////////////////////////////////

1. The goal is not for the boys to be experts at these skills, but to gain an increased knowledge and awareness of the skills of this Step.
2. Make it relative to your patrol.
3. Remember, these lessons should build from Fox to Hawk and from Hawk to Mountain Lion.
4. See the Leaders Guide for more information on Steps.

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Skills Progression

	<ol style="list-style-type: none">1. Understand what repairing is2. Repair something
	<ol style="list-style-type: none">1. Understand what repairing is2. Repair something
	<ol style="list-style-type: none">1. Understand when repairing is better than replacing2. Repair something

Helps

1. What is the difference between repairs and maintenance?
 - a. **Goal:** To define the difference between repairs and maintenance.
 - b. **Lesson:** Discuss the difference between repairs and maintenance and give examples.
 - c. **Examples:**
 - i. Maintenance: Taking care of things to prevent them from breaking or needing to be repaired.
 - ii. Repair: Fixing broken items so they can continue to be of use.
 - iii. Toy: (M) Wash sand/dirt off toy cars; (R) glue broken wheel back on car
 - iv. Refrigerator: (M) vacuum coils; (R) replace coils or motor
 - v. Light fixture: (M) replace bulb; (R) re-wire
 - vi. Roof: (M) replace missing or damaged shingles; (R) repair roof sheathing, & shingles, replace damaged sheetrock, paint walls, etc...
 - vii. Bridge: (M) check connections, remove rust, re-paint, check deck for cracks, check columns for scour; (R) very expensive and aggravating for citizens.
2. What are the advantages and disadvantages for repairing something vs. buying something new?
 - a. **Goal:** To understand that many things can be repaired and do not need to be replaced.
 - b. **Lesson:** Make a list of some advantages and disadvantages for repairing something vs. buying something new.
 - c. **Examples:**
 - i. Proper maintenance will help prevent or delay the need for repair. Proper maintenance is often more cost efficient than repair.
 - ii. Proper repair helps prolong the life of an item. It is often cheaper to repair than replace. Some items cannot be replaced.
 - iii. Replacing an item can be the best choice based on repair cost or safety issues.
 - iv. Vehicle: It often makes financial sense to repair a car instead of buying a new one. However, sometimes the repair bill (or bills) exceed the cost of the vehicle. Plugging a hole in tire is cheaper than buying a new one, but replacing an engine may not be worth it.
 - v. Clothes: wash clothes, treat them properly; patch holes or replace buttons, use as "yard work" or "paint" clothes; discard and replace when they are worn out.
3. What are some things that can be repaired?
 - a. **Goal:** To list things that can be repaired.
 - b. **Lesson:** List the many things that can be repaired. List should include things to be repaired by a professional, a parent, and the Trailman.
 - c. **Examples:**
 - i. Professional - car damage from a wreck
 - ii. Parent - Hole in sheetrock
 - iii. Trailman - Tape a torn paper

- iv. Have the Trailmen brainstorm and place things in these three lists.
4. Can you repair something?
- a. **Goal:** For the Trailmen to repair something.
 - b. **Lesson:** Provide something for the Trailmen to fix.
 - c. **Examples:**
 - i. Torn paper, repair with tape
 - ii. Broken board, repair with duct tape
 - iii. Broken board, repair with wood glue and clamps
 - iv. Fix a broken Lego construction (match picture)
 - v. Sew a button
 - vi. Use tape to repair a tent pole, or a tear in fabric (like a backpack)

Game ideas

- Check the games section online for game ideas.
- Or, create a game that works for your patrol.
 - **Lego Repair Race**
 - Provide a structure built from Lego's. Also provide either another identical structure or pictures of it.
 - Break the Lego creation and see who can repair it the fastest.
 - **Picture Puzzle**
 - Provide pictures torn into pieces. One per boy (or pair of boys). (Fewer pieces for Foxes and more for Mountain Lions)
 - Pictures could be printed or taken from a magazine
 - Race to see who can repair the picture. Use tape if wanted.

Activity ideas

- Repair something, see examples from Question 4.

Scripture

1 Kings 18:30

- Fox – God's alter was broken and Elijah repaired it.
- Hawk – God's alter was broken and Elijah repaired it.
- Mt. Lion – God's alter was broken and Elijah repaired it. Repairing God's church is service to Him.

Isaiah 58:12

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