

REPAIR Box

Objectives

Students will learn the following:

- > Sewing basics
 - > Button sewing
 - > Multi-tool functions
 - > Paracord and its uses
 - > Uses for duct tape
 - > Different types of trail markings
 - > Hands-on activities (make a drawstring back, DIY tripod, duct tape cup, etc.)
 - > Global Feature and National Park Spotlight
 - > Empathy around re-use/re-cycle
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Materials

The materials included in the box are:

- > Glow-in-the-dark paracord
 - > Utility tape
 - > Multi-tool
 - > Sewing kit (needles, buttons, safety pins, cord stoppers, etc.)
 - > Paracord cards
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Discussion

You may want to use the following as a discussion guide with your child:

- > Why is it important to learn about repairing your items?
 - > What is the importance to reusing items?
 - > What are some of the benefits of proper upkeep of items/gear?
 - > What does it mean to be resourceful?
 - > Why is knowing how to sew a useful skill for outdoor exploration?
 - > What are ways to stay safe on the trail?
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Evaluation

Test your child's newfound knowledge with the following questions:

- > What are the two basic items needed for sewing?
- > When completed, what should a running stitch look like?
- > When sewing a button, should it be sewn tight to the fabric or leave a little room?
- > Name at least four (4) functions of your multi-tool.
- > What are some of the uses for paracord? How can it be used for sewing?
- > Depending on the terrain, how far apart should you place trail directional markers?
- > In what ways is a tripod useful?

Vocabulary*

*provided by the Merriam-Webster Dictionary

Compost – A mixture that consists largely of decayed organic matter and is used for fertilizing and conditioning land. CONTEXT: Reusing kitchen waste and other items to create compost, which is great for gardens or flower beds.

Fabric – A pliable material made usually by weaving, felting, or knitting natural or synthetic fibers and filaments. CONTEXT: Different fabrics can be repaired differently and are useful in different situations.

Independent – Not requiring or relying on others. CONTEXT: Relying on yourself to make the right choices when you don't have help available.

Recycle – To adapt to a new use. CONTEXT: Being able to make new things out of old things to reduce waste.

Repair – To restore by replacing a part or putting together what is torn or broken. CONTEXT: When on the trail, it is important to know how to make basic repairs to your gear.

Resourceful – To be capable of devising ways and means. CONTEXT: Being able to use what you have around you to overcome an obstacle or setback.

Static – Exerting force by reason of weight alone without motion. CONTEXT: Your paracord can hold up to 550 pounds (or 250 kg) in static weight.

Terrain – The physical features of a tract of land. CONTEXT: The terrain will often dictate how you move, communicate, and survive in an area.

Utility – Something useful or designed for use. CONTEXT: It often depends on the situation or terrain how to use a specific tool.

Versatile – Having many uses or applications. CONTEXT: It is useful to carry items that can be used for more than one thing.
