



## Building a Better Bandage-Engineering

Adapted from Science Scope, Everyday Engineering, "It's Stuck on You" by Richard H. Moyer and Susan A. Everett

**Part A: EXPLORE:** How do different bandages compare?

Bandage Brand and Type	Feature	Observations about a Feature	Rating 1-worst 5-best	Explain why you gave it the rating
	Example: Overall Shape	Rectangle with curved ends	4	The corners at the edges don't seem to stick very well.
<b>Evaluate:</b> What are the best design features for this bandage?				
<b>Evaluate:</b> What improvements does it need?				

**Part B: ENGINEER** - Design and make a waterproof bandage that WORKS!

**DESIGN PLAN**

Ask: What is the problem you need to solve?

Plan: What will your design look like? Draw a labeled diagram and write down your materials with the amount you need:

Imagine: What are your ideas for solving this problem?

- 1.
- 2.
- 3.

Your Bandage Design	Feature	Observations about a Feature	Rating 1-worst 5-best	Explain why you gave it the rating
<b>Evaluate: What are the best design features for this bandage?</b>				
<b>Evaluate: What improvements does it need?</b>				

**Part C: ENGINEER IMPROVEMENTS - Redesign your waterproof bandage for a KNUCKLE!**

**DESIGN PLAN**

Ask: What is the problem you need to solve?

Plan: What will your design look like? Draw a labeled diagram and write down your materials with the amount you need:

Imagine: What are your ideas for solving this problem?

- 1.
- 2.
- 3.

Your Knuckle Bandage Design	Feature	Observations about a Feature	Rating 1-worst 5-best	Explain why you gave it the rating
<b>Evaluate: What are the best design features for this bandage?</b>				
<b>Evaluate: What improvements does it need?</b>				