

UNIT: FIRST AID

BEST BANDAGE CHALLENGE!

GOAL:

Test and compare how different bandage materials perform when wet to determine which one stays on the best, sticks the strongest, and is most comfortable to remove—just like a real bandage used for healing skin.

MATERIALS:

- ✓ Different types of bandages (fabric, plastic, gauze, paper towel with tape)
- ✓ Spray bottle with water
- ✓ Paper "skin" or sponge
- ✓ Timer

STUDENT DIRECTIONS:

STEP 1: Prepare the Surface:

- Lay out your paper "skin" or sponge flat on your desk. This will be the pretend "arm."

STEP 2: Apply Bandages:

- Carefully stick each bandage type onto a section of the "skin." Press firmly like you're treating a real cut!

STEP 3: Simulate Sweat:

- Lightly spray all bandages with the water bottle. This simulates sweating or rain. Start your **timer for 1 minute**.

STEP 4: Observe:

- After one minute, check:
 - Which bandages are still sticking?
 - Did any fall off or peel?

STEP 5: Test Strength:

- One by one, gently pull each bandage off.
 - Which one was easiest to remove?
 - Which one stuck the strongest?

Record Your Results:

Bandage Type	Stayed on when wet?	Easy to remove?	Strong hold?
Fabric	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Plastic	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Gauze & Tape	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Paper Towel + Tape	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Wrap-Up Reflection:

- Which bandage would you choose for a real cut? Why?

- What kind of material works best in wet or sweaty conditions?

STANDARDS ALIGNMENT

NGSS: 2-PS1-2 **STEL:** STEL 1A, STEL 4A, STEL 7A, STEL 8A **CCSS:** CCSS.MATH.PRACTICE.MP2, CCSS.MATH.PRACTICE.MP4, CCSS.MATH.PRACTICE.MP5, CCSS.MATH.PRACTICE.MP6