

How will your team design and build a Beaver Lodge?

Beaver Lodge Materials- Exploring

Names: _____

Team Name: _____

Beavers use different materials to build strong lodges. We will explore materials and notice how they might work.

Step 1: Touch, Test, and Notice
Look at the materials on the table.
You may bend, stack, or gently test them.

Write the name of each material, then check the words that describe it.
Material 1: _____
☐ soft ☐ hard ☐ bendy ☐ stiff ☐ smooth ☐ rough

Material 2: _____
☐ soft ☐ hard ☐ bendy ☐ stiff ☐ smooth ☐ rough

Material 3: _____
☐ soft ☐ hard ☐ bendy ☐ stiff ☐ smooth ☐ rough

Step 2: What Might This Material Help With?
Draw or write one idea.
Material: _____ → This material might help with _____

_____.



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Step 3: Notice Together

Talk with your partner or team.

- ☐ We noticed a strong material
- ☐ We noticed a flexible material
- ☐ We noticed some materials work well together

One thing we noticed:



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Team Planning

Team Name: _____

Team Members: _____

Our Beaver Lodge Needs:
Check as your team talks about each part:

- ☐ Dry living space
- ☐ Air opening
- ☐ Underwater entrance
- ☐ Underwater escape tunnel
- ☐ Food storage area

1. **Our Plan**
   Materials we might use:
   - _____
   - _____
   - _____

Quick Sketch (add labels if you can)



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<u>Working As a Team</u>

Team Name: _____

Team Members: _____

Each person helps. Roles may change.

- ❑ Gathering materials
- ❑ Building the main structure
- ❑ Adding strength or details
- ❑ Helping teammates
- ❑ Checking that all parts are included
- ❑ Recorder

If we need to change our plan, that is okay! Engineers adjust their ideas.

Change we made or might make:

_____

_____

_____