

Measurement with Tully's Alpine Adventure

Grade Level: Primary (K–2)

Subject: Mathematics – Measurement

Duration: 45 minutes

Standards/Goals:

- Students will explore and compare lengths using non-standard and standard units.
 - Students will develop vocabulary for measurement (longer, shorter, taller, heavier, lighter).
 - Students will apply measurement skills in story-based contexts using Tully, Wooliam, and Lambkin.
-

Materials Needed

- Copy of Tully's Alpine Adventure (picture walk for setting/characters)
- Rulers, linking cubes, paper strips, string, and small classroom items
- Character cut-outs of Tully (dog), Wooliam (stuffed lamb), and Lambkin (real lamb)
- Worksheet with measurement prompts
- Chart paper/markers

Lesson Introduction (10 minutes)

1. **Engage:** Read aloud (or retell) a short section of Tully's Alpine Adventure where the characters travel the trail.
2. **Connect:** Ask:
 - “Who is taller—Tully the Goldendoodle or Wooliam the stuffed lamb?”
 - “What can we use to find out?”
3. Use four samples of the animals being measured. Look at the rulers, what order are the numbers?, What is wrong with them. Use the correct visual to demonstrate the order of the numbers and seeing who is tallest Wooliam, Lambkin, or Tully.
4. **Introduce Vocabulary:** longer, shorter, taller, heavier, lighter, measure, compare.
5. **Model:** Use two classroom objects (like a pencil and marker) and compare length with cubes.

Lesson Activities (25 minutes)

Activity 1: Trail Comparisons (Whole Group)

- Place character cut-outs (Tully, Wooliam, Lambkin) on chart paper.
- Students use linking cubes or paper strips to “measure” who is tallest.
- Record findings with drawings: “Tully is __ cubes tall. Wooliam is __ cubes tall.”

Activity 2: Backpack Measurement (Small Groups)

- Students pretend they are packing for the Alpine Adventure.
- Give each group items (ruler, snack bag, string, toy, etc.).
- Students measure each item with non-standard units (cubes, paper clips).
- Extension: Use a ruler to check with inches/centimeters.

Activity 3: Mountain Path Challenge (Pairs)

- Lay out a paper “trail” (a strip of paper on the floor).
- Students measure how far Tully, Wooliam, and Lambkin “walk” along the path using footsteps or cubes.
- Ask: “Who went farther? How much farther?”

Closure (5 minutes)

- Gather students and ask:
 - “What words can we use to compare?”
 - “How did we measure today?”
- Share one discovery from each group.

Assessment & Differentiation

- Observe student language during partner activities.
- Collect student’s work with recorded measurements.
- Provide extra support (picture cues, fewer objects) for emerging learners.
- Challenge advanced students: Have them estimate before measuring.







