Photos
(all students' parents have given written permission for use of images)
More information:
S. Patrice Colletti
Kağapi Oyaŋke
Tiospa Zina Tribal School
pcolletti@tzts.us
Planning Phase

Blueprints made by student teams
Making Phase - First Steps
Teamwork

Teams had to label each section or it would get lost in the massive collection of parts!
Improving after initial load testing

Test Day! [link to our invitation flyer] Each dictionary equals one “truck” crossing the bridge. (Teams photographed throughout the project for use during the “Share” part of the Engineering Process.)
Testing the bridges was a “stress test” in more ways than one! Teams gave each other positive feedback even if the bridge broke or cracked. Noted one student as their bridge broke, “Thank goodness these aren't real trucks!”

The strongest bridge, shown here, held nine “trucks.” Teams could opt out of testing at any point. The goal was not to compete, but to see how well their own bridge design worked.

[Link to Lesson Plan]