Build It
Planning Booklet

Name:

[Image of children]
The Challenge!
1. Your groups challenge is to build a bridge that
   • at least 1 meter long.
   • span a 50 centimeter gorge.
   • anchored can stand up and is stable against the
     force of wind.
   • can hold at least 20g.
   (You can test it after that to see what the weight bearing possibilities are!)

Materials
Unlimited amount of Newspaper
Other scrap materials will differ between groups.
List of other materials: Cardboard, toothpicks, cardboard roll, 1 plastic bag,
________________________
________________________
________________________

List of tools
paper, tape, scissors, 1m rope, tape,
________________________
________________________
________________________
________________________
Build It Challenge

What do we need to know before we can start?

We need our materials and to plan our bridge.

Results to our challenge

Our bridge can hold 920 g and our bridge is 1 meter long and it holds lots of weight and it can hold the blow dryer test. (High & low)
What is your structure?
A beam bridge.

Make a prediction, will it work?
I think it will work because our bridge has something that holds it, it makes it more stable.
What did you do?

We made the top part of the beam bridge and what we have used is cardboard and lots of tape.
What did you do?

We put the pillars under our top part of the bridge and I learned that if you put something under the pillars it gets more stable.
What did you do?

We made it. Some more cardboard on it so it can be more stable.
Conclusion

Our bridge can hold 920g and we had also done it with a blow dryer. It WORKED!