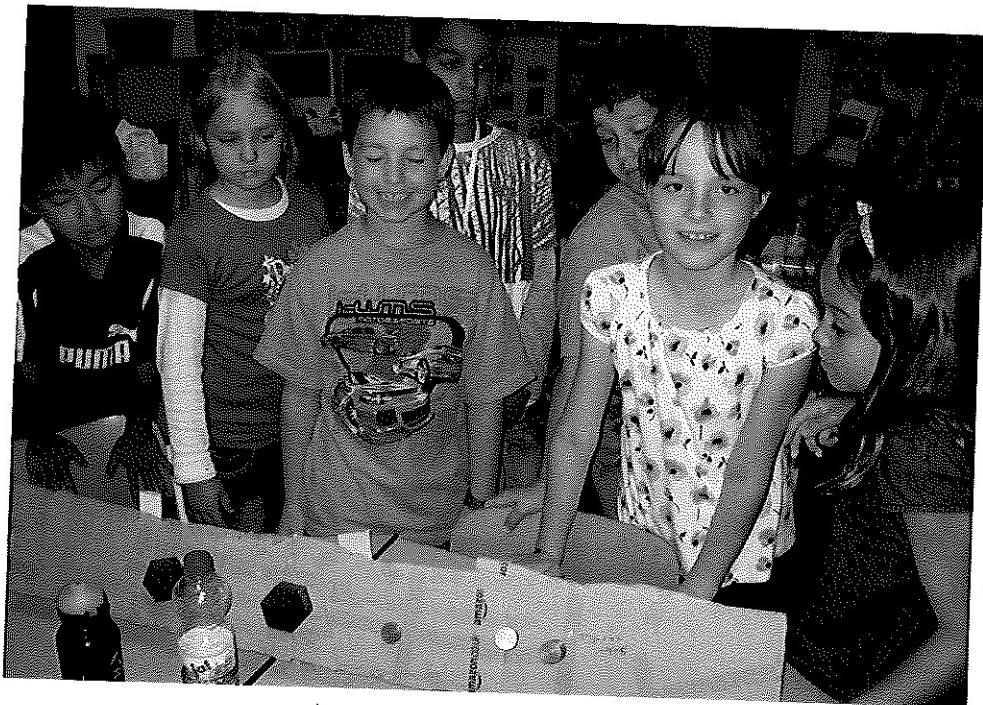


Build It Planning Booklet

Name:



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

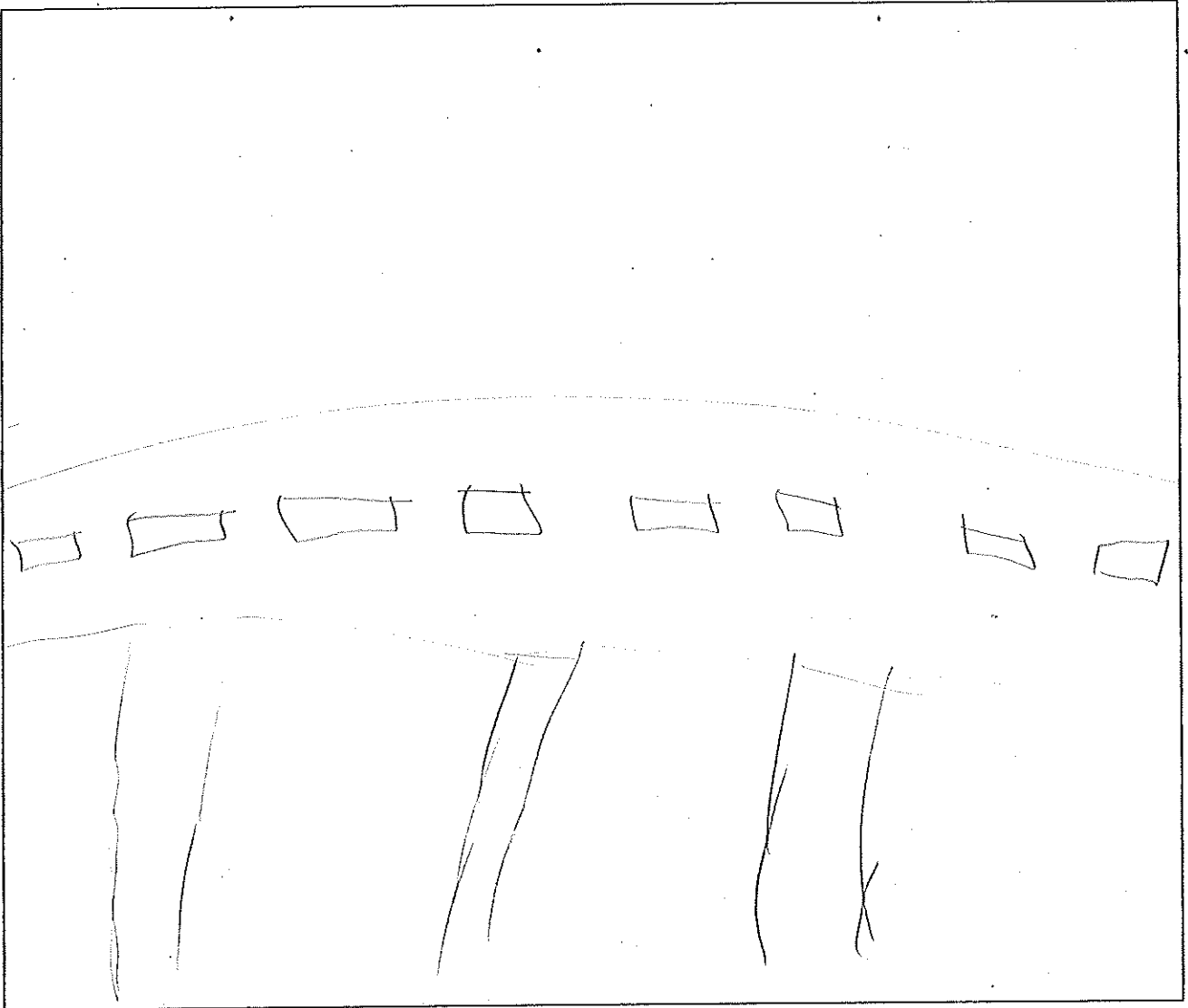
What do we need to know before we can start?

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 drier test. (High & low)

My Plan



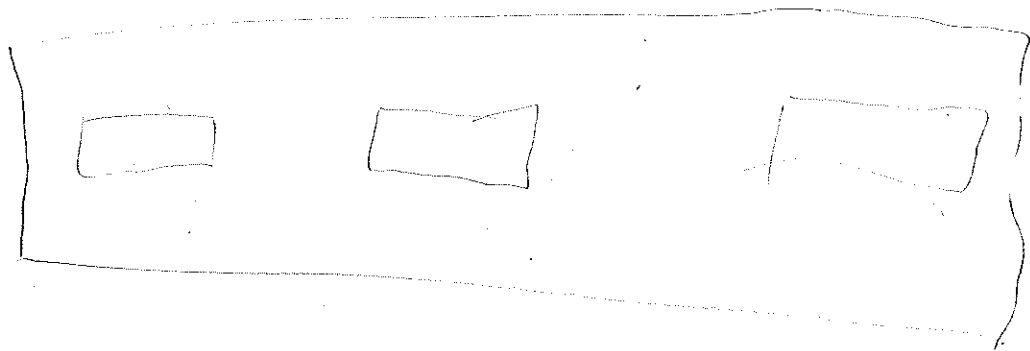
What is your structure?

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.

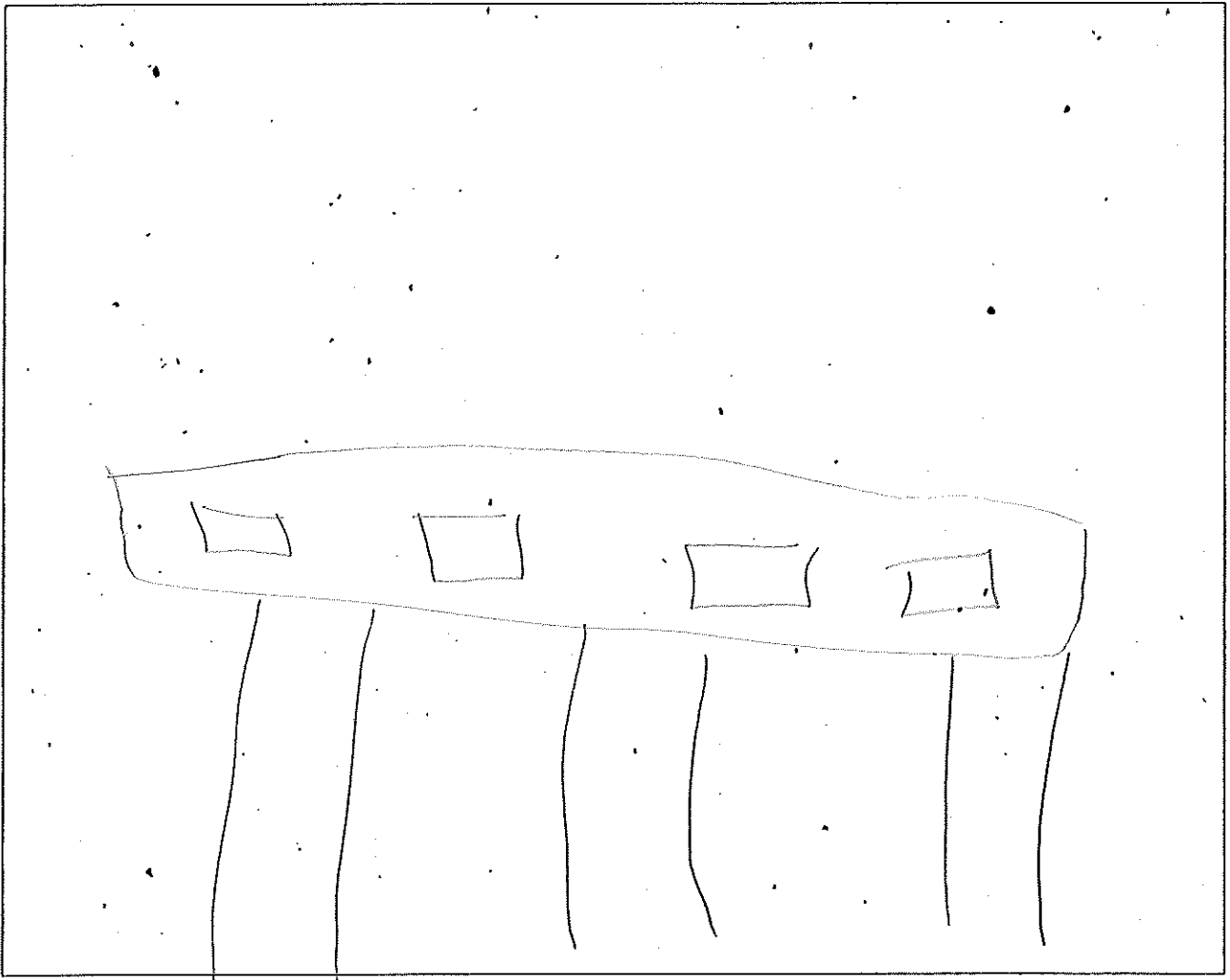
Session 1 Notes:



What did you do?

We made the top part of
the beam bridge and what
we have used is cardboard
and lots, lots tape.

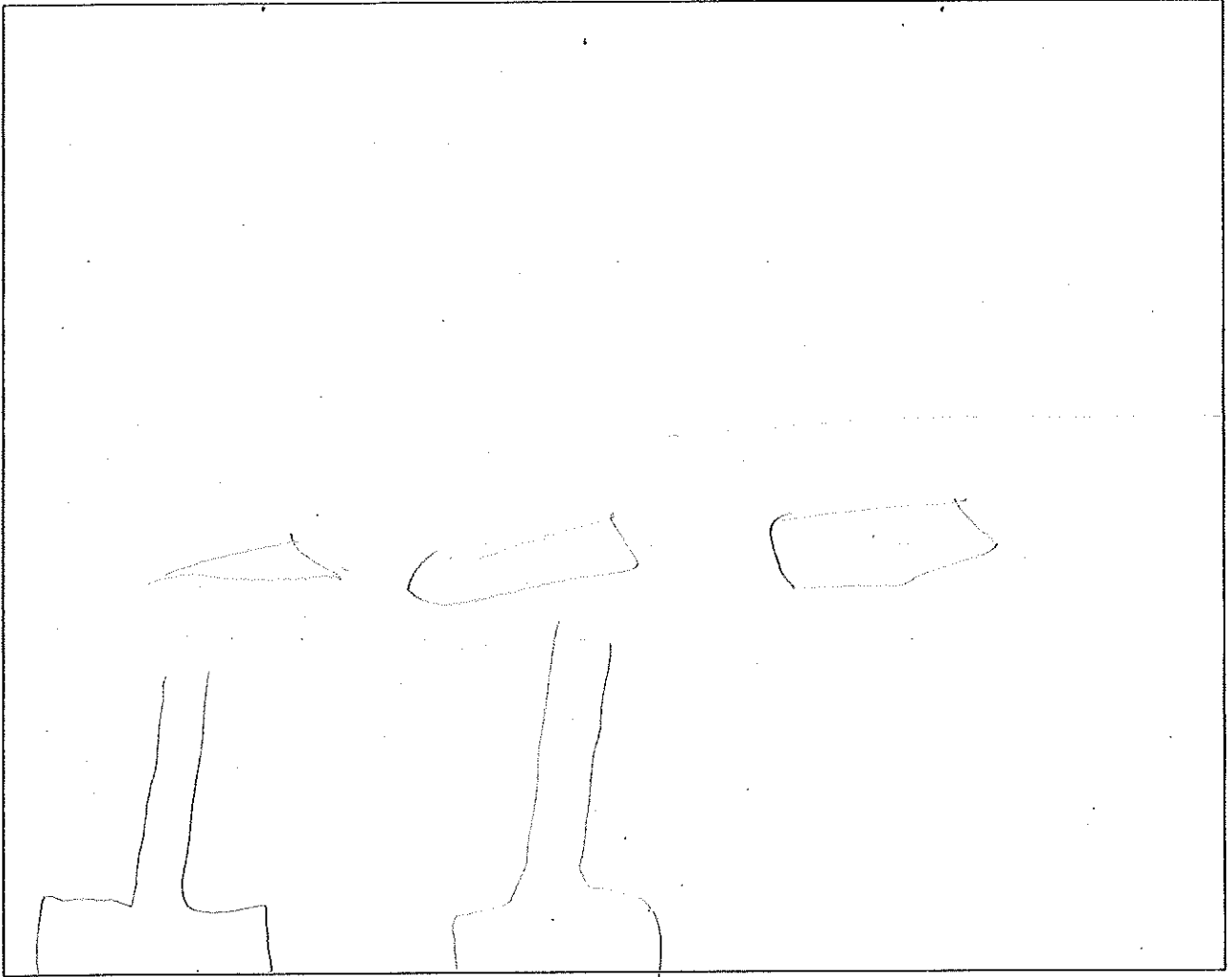
Session 2 Notes:



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.

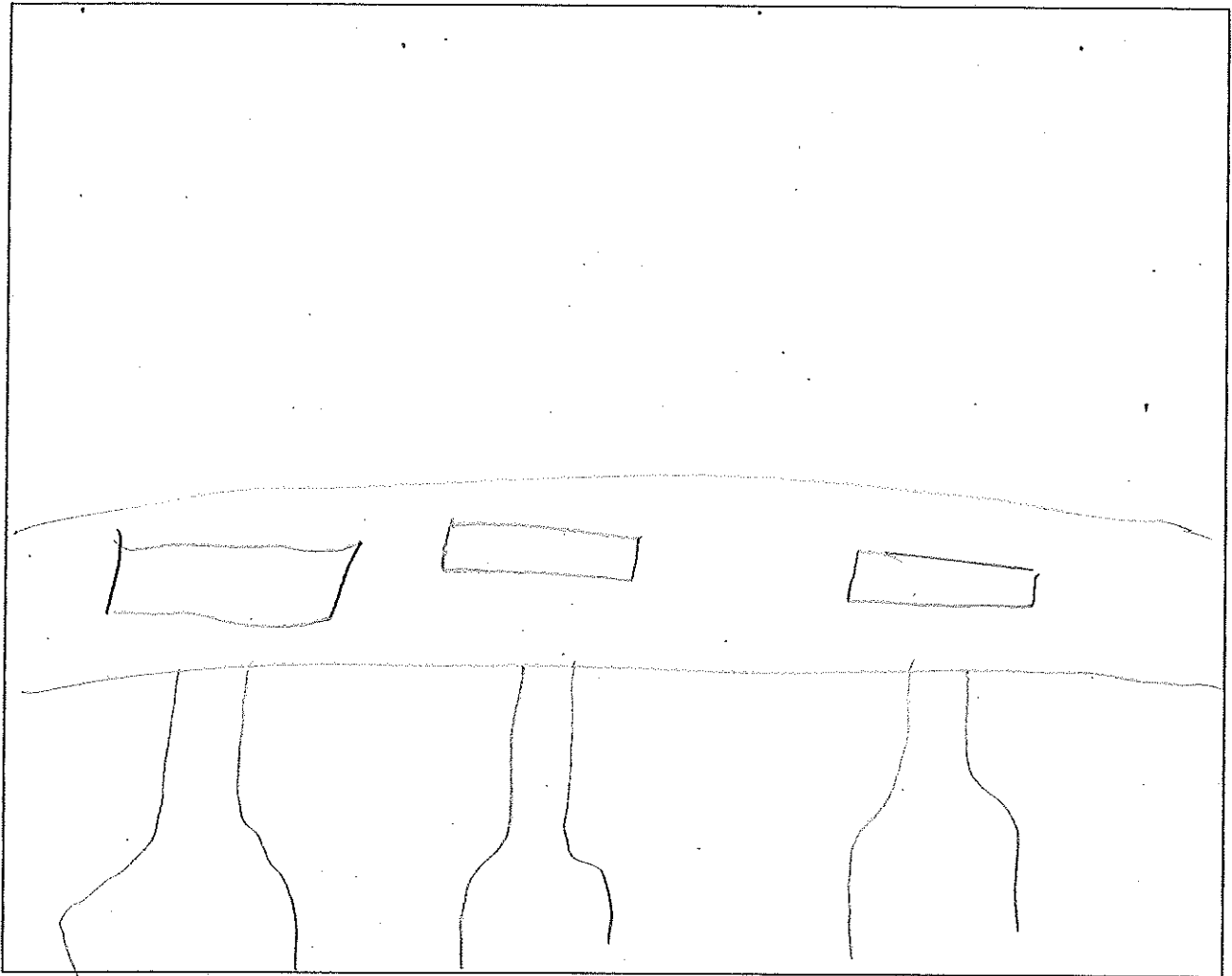
Session 3 Notes:



What did you do?

We made some more
cardboard on it so it can
be more stable.

Final results:



Conclusion

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