

Instant Challenge Workshop
Task-Based Activity
Rising Stars Level

Stretch It

Bridge Building Activity

In this challenge, a bridge is two or more connected materials held between two team members.

Time: You will have up to 8 minutes to build small bridges and then to hold them to make the longest “team member and bridges” chain. You will then have 8 more minutes to connect all the small bridges together to make the longest bridge possible held between only two team members.

Procedure

Part One - Build the Small Bridges (~8 minutes):

- Using only the materials provided, build small bridges that will stretch between two team members.
- Each bridge must contain at least 2 materials. There must be at least one bridge between two team members.

Part Two – Make the Chain of Bridges and Team Members (~1 minute):

- Team members will stretch the bridges between themselves to make a chain as long as possible without any of the bridges touching the floor.

Part Three – Make the Combined Bridge (~8 minutes):

- Connect/Combine the small bridges used in the chain to make one long bridge that will stretch as far as possible between only two team members.

Part Four – Stretch the Long Bridge (~1 minute):

- Stretch the long bridge between two team members to make a chain as long as possible without any of the bridges touching the floor.

Materials:

7 Paper Clips	5 Sheets of Paper	7 Rubber Bands	7 Coffee Stirrers
10 Straws	10 Mailing Labels	10 Twist Ties	5 Index Cards
3 Pencils	3 Pieces of Newspaper	3 Twelve-inch Pieces of Yarn	
3 Small Cardboard Tubes		2 Pair Scissors	

The scissors may NOT be damaged and may NOT be used in any of the bridges.