Golf Ball Bridge

Designers face many challenges when planning a new project. In this activity you will test your ability to design a bridge that meets a set of specifications.

You will show me during this activity that you….

**Can identify criteria or specifications for a structural design**

**Can fulfil criteria and specification for a job**

**Can propose alternative solutions to a practical problem, select one, and develop a plan**

**Can work collaboratively**

**Task/Challenge**

Working in teams, plan and build a free-standing frame structure (golf Ball Bridge) that meets all the design specifications outlined below:

* **Free standing (Not attached to anything)**
* **Span 30cm**
* **5cm height**
* **Support a golf ball as it rolls across the bridge**

**Materials**

* **20 straws**
* **15 paper clips**
* **60cm of masking tape**
* **Scissors**
* **Ruler**
* **Golf Ball**