

Tuesday 16th September 2008



Sessions 5-6 Year 10 Science B (Bridge building activity)

Spaghetti Platform session 2

1. These students are currently constructing a free standing spaghetti platform capable of supporting a Science Alive book 3

THE RULES:

The platform needs to be able to support one or more Science Alive book 3s
It must be free standing. It cannot be fixed to the table, or held by anything else

It is built from no more than 100g of spaghetti (standard BILO) and you can use one glue stick (hot glue gun)

The platform needs to be at least 12cm high.

BEFORE TESTING

Take a picture of the platform

Weigh your platform. (This data and the information must be saved into a table of results)

TESTING (Finding the max mass supported)

Carefully place one Science Alive book onto the platform. Wait at least 10 s before deciding if it holds.

Continue by adding a second book. Wait for another 10 seconds before you place the third, and so forth...

Weigh a book

Calculate the total mass supported. Record your result

GROUP	Mass of platform	photo	Number of books held	Total mass supported	RANK (fill in last

Web Refs <http://goes.flexinet.com.au/page/sciencestation.html>

<http://www.earthwalk.com/Education/eClassroom/LessonPlans/Bridges.html>