

Activity 1: Which Science Museum slide will generate the least amount of friction?

Put the wood, grass and fibreglass slides in order –
1 is fastest/least amount of friction, 3 is slowest/most amount of friction.

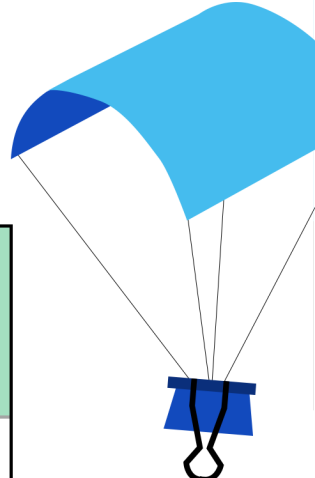
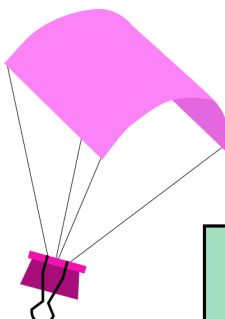
grass:

wood:


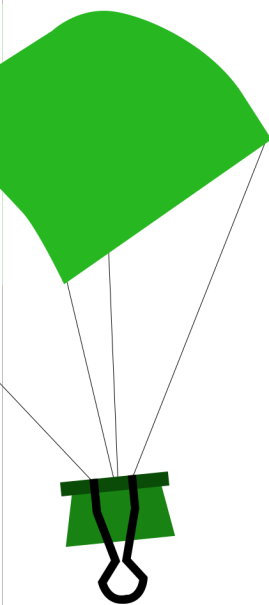
fibreglass:



Activity 2: Read the table and answer the questions below...



Length of parachute side (cm)	Time taken to drop 1.5 metres (s)			Average (s)
10	0.89	0.87	0.89	0.88
20	0.99	1.02	1.02	1.01
30	1.09	1.10	1.13	1.11



1. How long, on average, did it take for the smallest parachute to drop? _____

2. How long, on average, did it take for the largest parachute to drop? _____

3. Complete this sentence: The larger the parachute the _____ it takes to fall.

(longer / slower / faster / quicker)

Activity 3: Design your own space capsule.
How will you slow the vehicle down and increase air resistance?

