



# GO INVESTIGATE SHAPE & SPACE

## OUR TREETOP ADVENTURE COURSES ARE EXPERTLY DESIGNED

Use the geometry of the Treetop apparatus as inspiration for your own design project. Your pupils will see for themselves how a plan on paper can come to life.

### GO BITESIZE

- On your day out in the forest, take pictures of the course, draw a map and make notes about the layout.
- Look at pictures of 2D and 3D shapes from Go Ape, and generate questions about the photograph, e.g. how many different kinds of triangle can you see here?
- Using just geometric shapes, design a Treetop Adventure course.
- Answer questions about the area and perimeter of your designs.
- Investigate and make nets of different 3D shapes.

### GO PROJECT

**Go Ape want to introduce more Treetop Adventure courses.**

Ask your pupils to design a new course, similar to the course that they have experienced. They need to use their knowledge of area and perimeter and the dimensions given on Resource Sheet 1 to create a realistic course on paper.

Using this plan, children can then make a 3D model. Remember – a course has 2 or 3 ‘loops’ of 4 or 5 crossings, ending with a zip wire. To differentiate, children could just make one loop, or a whole course with fewer crossings.



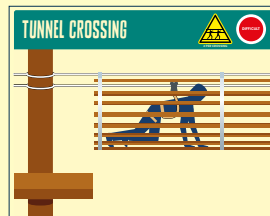


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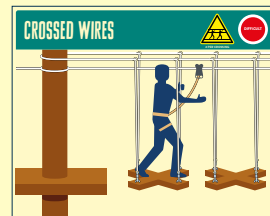
## RESOURCE SHEET 1



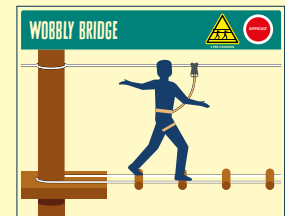
Water Lily  
7m



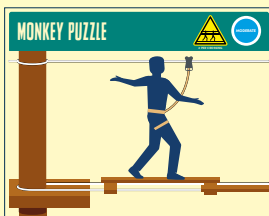
Tunnel Crossing  
4m



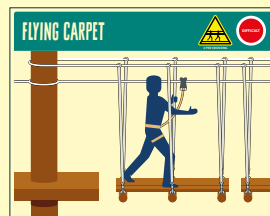
Crossed Wires  
10m



Wobbly Bridge  
8m



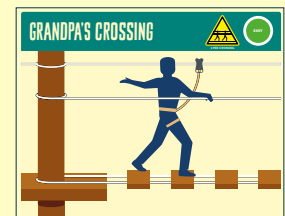
Monkey Puzzle  
6m



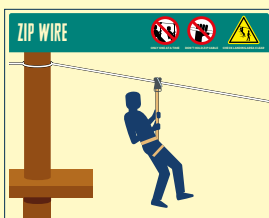
Flying Carpet  
7m



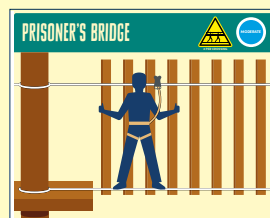
Zigzag Bridge  
3m



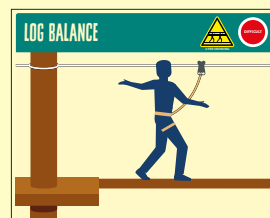
Grandpa's Crossing  
5m



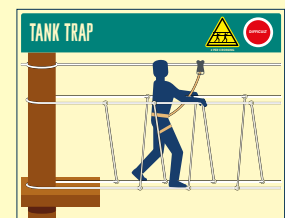
Zip Wire  
Short: 40m  
Long: 70m



Prisoner's Bridge  
9m



Log Balance  
3m



Tank Trap  
6m

**DON'T FORGET TO INCLUDE THESE YOUR DESIGN TOO!**

Platforms measure 3x3m  
Zip Wire landing sites measure 3x6m