

# DEVIL STICK

## Preliminary assignment

Age group: trackers and explorers

Quantity: 1/ camp patrol

Equipment: Round wooden batten or stick (length 650 mm, diameter 15 mm), thick newspaper, scissors, measuring tape, marker pen, 1 roll of stationery tape, 1 roll of duct tape or textile tape, waterproof marker pen, sharp knife (eg. carpet knife).

Find the midpoint of the batten and mark it with a marker pen. Unfold all the openings of the newspaper one by one and place them on top of each other. Measure and draw a right-angled triangle with sides of about 37cm and 65cm onto a corner of the newspaper. Repeat this step with another corner.

Cut along the lines and make sure that the papers don't move. Check that all the papers are properly aligned with each other. Tape the vertical (37cm) side of the triangle to the batten, so that the top corner of the triangle is aligned with the midpoint of the batten and the right angle is placed towards the end of the batten. Note that the papers will exceed the end of the batten. Wrap the paper triangle around the batten as tightly and as straight as possible. Tape the paper firmly to prevent it from unwinding. Repeat the whole process on the other half of the batten.

Remove the excess paper at both ends with a sharp knife. Make sure you don't cut away too much and hit the batten. A few extra millimeters of paper at the end don't matter. At this point make sure that the heads of the stick are 3-3.5 cm in diameter, and that the ends of the stick are similar in size (diameter within a few millimeters of each other). If the heads are too thin, add more layers of paper in the same way as you did before.

Wrap the duct/textile tape carefully and neatly on top of the stick, starting from the midpoint of the stick. Try to use roughly the same amount of tape on each side. Finish the ends by placing a piece of tape on the end of the stick and folding the tape over the edges. Lastly, cover the rough and uneven edges with an additional spin of tape.

The final step is to locate and mark balance points on the stick. The midpoint can be found by balancing the stick on a finger. When the stick stays in balance, mark the center point either with a waterproof marker or colorful tape. Finally, measure 20cm from the midpoint towards both ends of the stick, and again mark these spots with a marker or tape. Now your Devil Stick is finished and ready for action!

