

ROBERT'S LITTLE FINGER

AGES

8-11 years old

CONTRIBUTED BY

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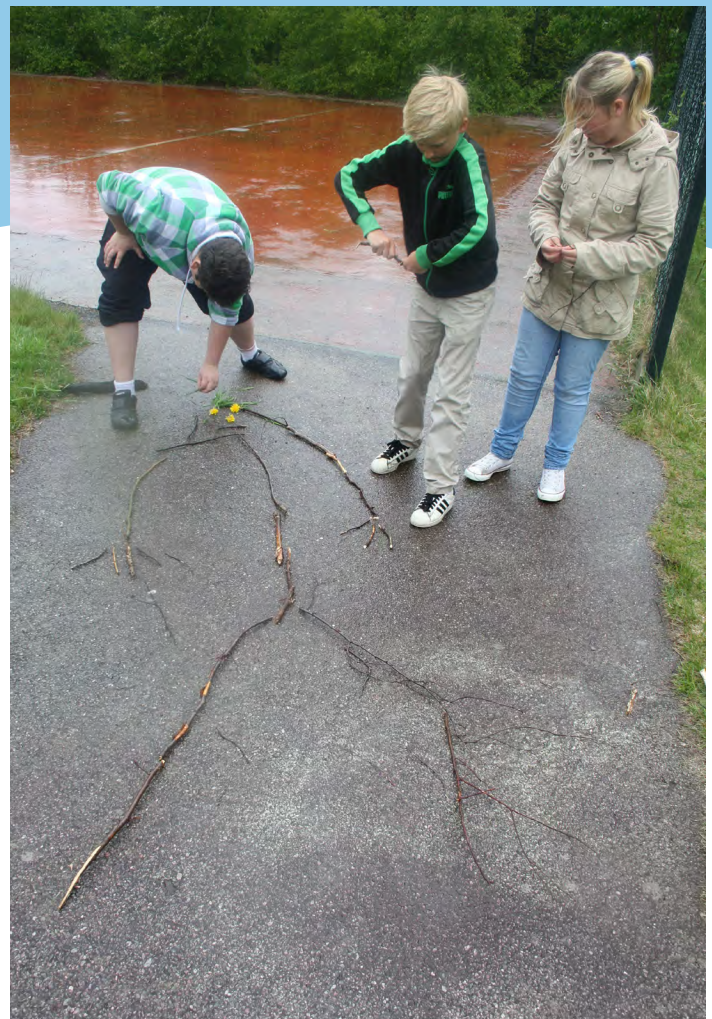
This activity teaches ratios and collaboration. Students work together to construct a scale model of a member of their group. This activity can be further extended by asking students to collect twigs of a variety of sizes before the activity begins.

MATERIALS

- 20+ twigs, from 2-20cm long
- Flowers or other small, natural elements for making faces for the stick figures



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DIRECTIONS

- Divide pupils into groups of about five.
- One pupil from each group must take one of the twigs.
- Now each group must use the remaining twigs to create a model (stick figure) of the group member who took the single twig. The single twig represents that group member's little finger.
- Pupils create the model on the ground and must decide on the proportions of their model. When each group has finished, they must guess the scales used by the other groups.
- If the pupil's little finger is 4 cm, with a twig that is 2 cm, the scale will be 1:2. With a twig that is 20 cm, the scale will be 5:1.

