

# AQUANAUTS

## Urban Flood Defence Model

A practical activity to demonstrate how urbanisation impacts flooding and the effectiveness of nature-based solutions in reducing flood risks.

### Steps

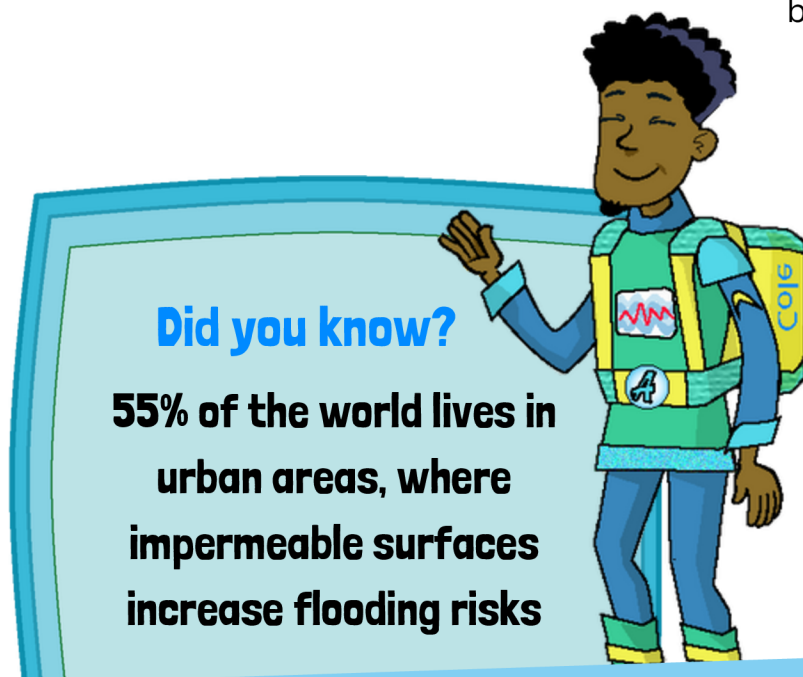
1. Build a city model with clay and toys in the tray.
2. Pour water over it to simulate heavy rain and observe flooding.
3. Add green roofs, rain gardens, or porous surfaces to reduce flooding.
4. Test again and compare results.

### You will need

- A shallow tray
- Clay, plastic toys, and pebbles
- Watering can

### Helpful tip

Think about the role of nature-based solutions in urban areas



**This activity pairs with  
Aquanauts episode  
'Urbanisation and Modern Life'**