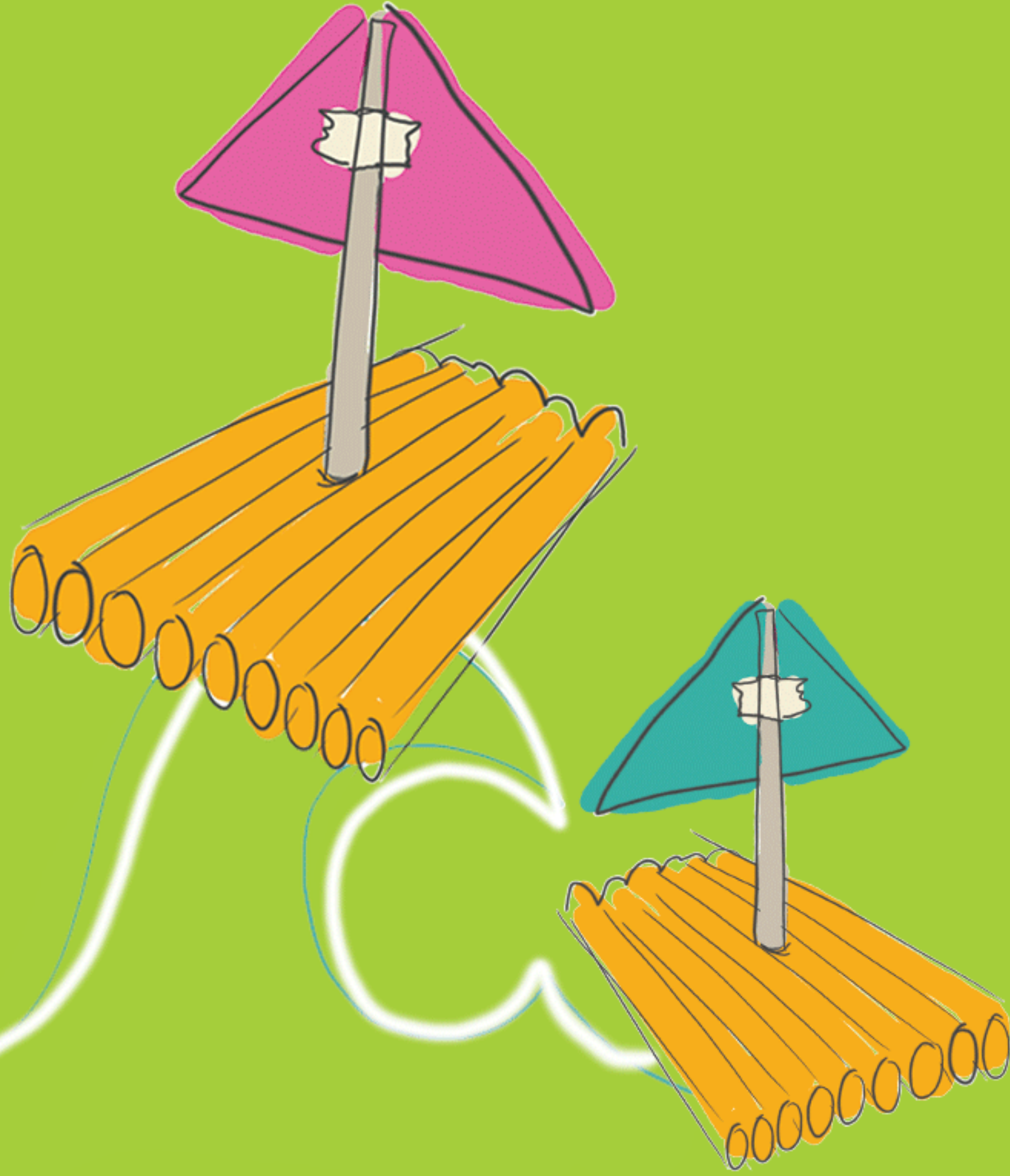


**Maker**  
{Futures}



# Raft Race Challenge



# What you need:

- **Straws**
  - **Paper**
  - **Sticky tape**
  - **Bath/paddling pool/puddle**
- 

# Maker{Challenge}

## Raft Race

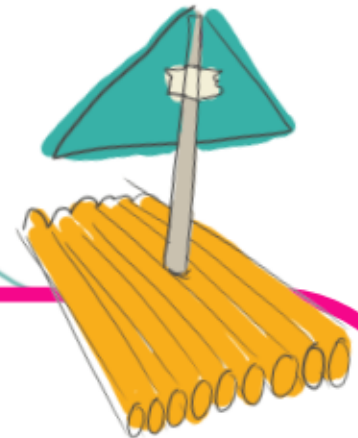
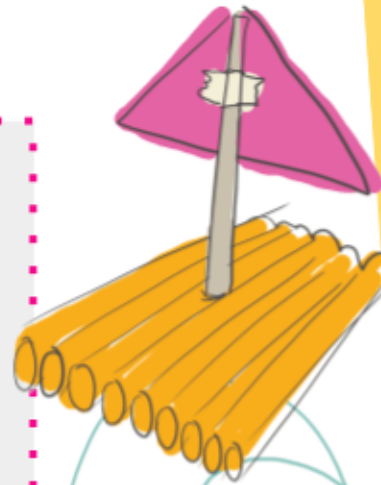
Age: 4 yrs +  
Risk: low

### {Challenge}

Make simple wind-powered rafts and challenge your friends and family to a race.

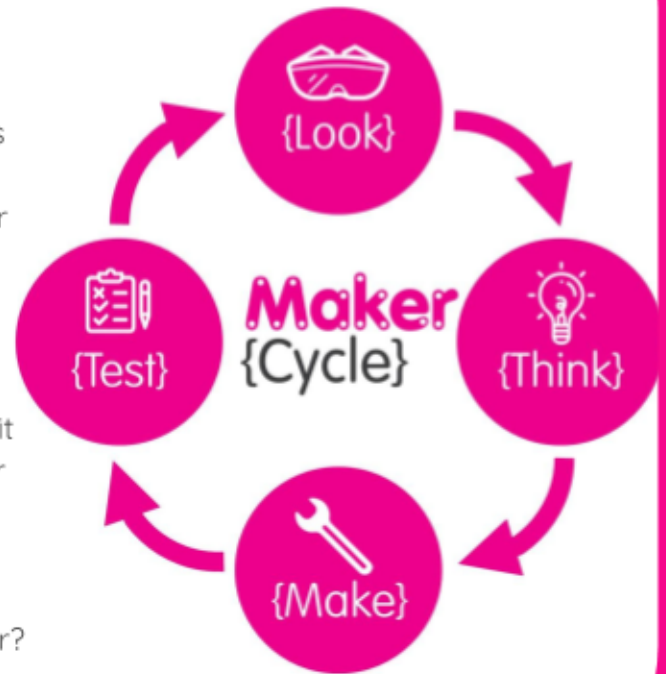
### What you need

- Straws
- Paper
- Sticky tape
- Bath/paddling pool/puddle



### Use the Maker{Cycle} to create like a Maker:

- **Look** at how rafts are shaped and what makes them different to boats.
- **Think** of alternative materials if you can't find anything on the list - can you use recycled items instead?
- Using sticky tape, fix your paper straws together side-by-side to **make** your raft's body. Take a square piece of paper and fold it in half diagonally - tape the apex together and form a crease from the apex to the base along the centre. Fold some flaps from the centre to tape it to your raft as a sail. Make 2 and challenge your friends/family to a race!
- **Test** What makes it float? What happens if you fold the ends of the straws up? Does changing the shape of the sail or the raft make it go faster? Can you find some toys to take for a ride on your raft?



### {Top tip}

This challenge works best in very shallow water. Less than 1 inch (2.5cm) is perfect.