Design a Paper Ball Tilt Tray

Answers, practical support and discussion.

Safe paper model

Use a large paper ball, ordinary paper and optional tape. The adult helps make broad walls and joins. Keep the model over a table; no marbles, small beads, sharp tools or elevated drops.

Check the brief

The route needs a start, finish, two broad turns and raised or folded boundaries. Different layouts may work. Allow enough room for the chosen ball to move without tight trapping.

A real trial

Tilt gently, observe where the ball goes, and mark where it leaves the intended route or gets stuck. Do not imply a paper sketch has already been tested.

One improvement

Choose a wider turn, firmer boundary or smoother join based on the trial. Keep the same ball and start position for the next attempt. Success is guiding it to the finish; observations of failure are useful evidence too.