



STEM that changed Ireland

4th Class

Print and cut along the dashed lines. These carry the **text a group reads** — a job to do, a brief to research, or notes to identify by. Check the lesson's teacher notes for how many sets each group needs and how they are used: some lessons hand out one card per group, others sort or sequence a full set.

Message across the room

Your challenge is to send a short spoken message from one side of your station to the other without the listener reading your lips. You may use only the paper cups and string on the tray. Decide how to set them up, try it, and note which set-up worked best

Lift with less effort

Your challenge is to lift the small weight off the desk using less effort than lifting it straight up with one hand. You may use only the rulers and pencil on the tray. Try different pivot points. Note which arrangement made the lift feel easiest

Keep the ice

Your challenge is to slow down how fast an ice cube melts. You may wrap or cover one ice cube using only the materials on the tray. Leave a second ice cube bare as your comparison. After a few minutes, compare them and note which wrapping helped most