



## >>> KIT CONTENTS



### Checklist: Find – Inspect – Check off

✓ No.	Description	Qty.	Item No.	✓ No.	Description	Qty.	Item No.
○ 1	Die-cut cardboard	1	714 636	○ 12	Game board (cup holder)	1	708 058
○ 2	Peephole hand sheet	1	708 054	○ 13	Hourglass	1	705 254
○ 3	Fingerprint sheet	1	711 513	○ 14	Spinning top	1	703 548
○ 4	Accordion info card	1	711 514	○ 15	Feather	1	708 060
○ 5	Tactile shapes	1	708 057	○ 16	Mirror	1	702 221
○ 6	Tube	1	702 214	○ 17	Chalk	1	708 059
○ 7	Funnel	2	000 410	○ 18	String	1	706 761
○ 8	Red measuring cup	2	065 099	○ 19	Polystyrene foam ball	1	700 080
○ 9	Blue measuring cup	2	065 100	○ 20	Thick rubber band	2	708 100
○ 10	Yellow measuring cup	2	065 101	○ 21	Thin rubber band	2	161 412
○ 11	Measuring cup lid	6	061 160				

**You will also need:** Tape, glue, pencil, scissors, spoon, knife, cutting board, plate, scale, yardstick, photo, cloth for a blindfold, gloves, toy blocks, chair, optionally a swiveling chair, pillows, various foods (e.g. rice, noodles, oats, sugar, spices, tea, apple, bread, cheese, spinach, carrots, beets, corn, hot and cold foods)

Any materials not included in the kit are marked with this symbol **+** under the “You will need” heading.

>>> Please do a preliminary review of the parts list and check to make sure that all of the correct materials are included in the kit.

>>> If you are missing any parts, please contact Thames & Kosmos customer service.

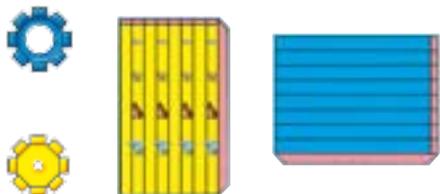


## EXPERIMENT 9

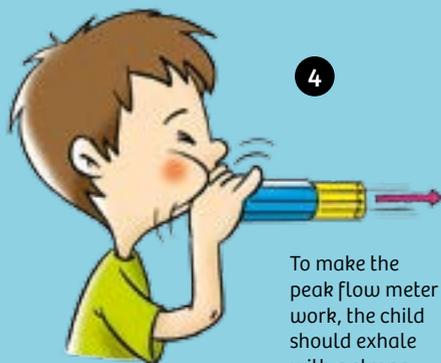
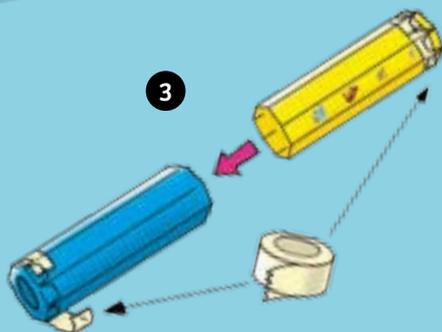
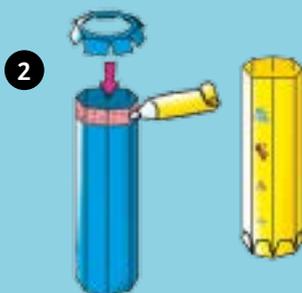
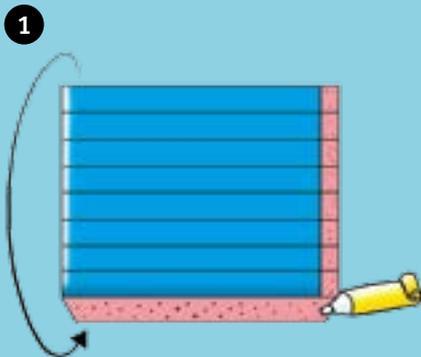


# A lungful of air

## YOU WILL NEED



- + Glue
- + Tape



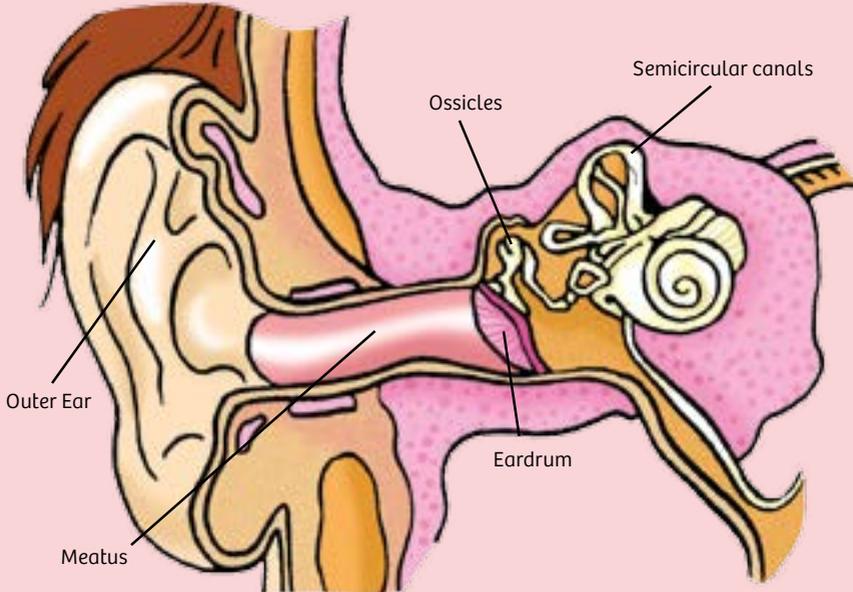
## WHAT'S HAPPENING?

Inhale deeply to completely fill your lungs with air. You will feel the way your rib cage rises. Then, in a single breath, blow the air into the peak flow meter. Now take a look at it — it shows how fast the air came out of your lungs which correlates to the amount of air flowing through the lungs.

To make the peak flow meter work, the child should exhale with a strong, short burst of air. When exhaling slowly and softly, nothing will happen!

## DID YOU KNOW?

You use your ears not just for hearing, but for balance too. Behind your eardrum, there are three fluid-filled archways. When you move, the fluid in the archways moves as well, and the nerves pass on the information to the brain. For example: You're bending too far forward — careful, you might stumble!



In the spinning experiment, you scrambled up your brain a little. When you suddenly stop, the fluid in the archways keeps moving at first. Your organs of balance can't react as quickly as you can stop yourself. Even though you're standing still, your brain still gets the message: Everything's spinning! That's what the dizzy feeling comes from.

