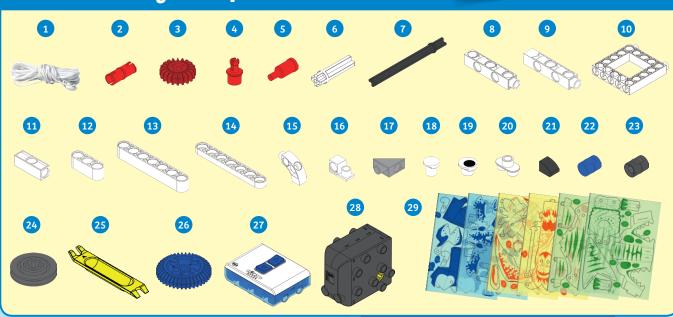




GOOD TO KNOW!

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

What's inside your experiment kit:



Checklist: Find - Inspect - Check off

| ~ | No. | Description | Qty. | Item No. |
|----------|-----|----------------------------|------|--------------|
| O | 1 | String, cotton (200 cm) | 1 | R39-W85-200 |
| O | 2 | Joint pin | 8 | 1156-W10-A1R |
| O | 3 | Small gear | 2 | 7026-W10-D2R |
| O | 4 | Shaft plug | 4 | 7026-W10-H1R |
| O | 5 | Shaft pin | 4 | 7026-W10-J3R |
| O | 6 | Motor axle | 2 | 7026-W10-L1W |
| 0 | 7 | Axle, 7 cm | 1 | 7061-W10-Q1D |
| 0 | 8 | 5-hole dual rod B | 2 | 7026-W10-S2W |
| 0 | 9 | 5-hole dual rod C | 2 | 7026-W10-S3W |
| O | 10 | Square frame | 2 | 7026-W10-V1W |
| O | 11 | 3-hole cross rod | 3 | 7026-W10-X1W |
| O | 12 | 3-hole wide rounded rod | 4 | 7404-W10-C1W |
| O | 13 | 7-hole wide rounded rod | 4 | 7404-W10-C2W |
| O | 14 | 7-hole flat rounded rod | 4 | 7404-W10-C3W |
| 0 | 15 | Curved rod | 4 | 7061-W10-V1W |
| 0 | 16 | 90-degree converter - X | 4 | 7061-W10-J1W |
| 0 | 17 | Flat triangle | 4 | 7128-W10-A2S |
| 0 | 18 | Button pin | 6 | 7061-W10-E2W |
| 0 | 19 | Eye pin | 4 | 7128-W22-2 |
| 0 | 20 | Two-to-one converter | 4 | 7061-W10-G1W |
| 0 | 21 | Nose piece | 2 | 7402-W10-C2D |
| 0 | 22 | Short anchor pin | 1 | 880-W10-M1B |
| <u>O</u> | 23 | Anchor pin | 8 | 7402-W10-C1D |
| <u>O</u> | 24 | Small pulley | 1 | 7344-W10-N3S |
| 0 | 25 | Anchor pin lever | 1 | 7061-W10-B1Y |
| O | 26 | Medium gear with 4 holes | 4 | 7346-W10-C1B |
| O | 27 | IR remote control unit | 1 | 7336-W85-A1 |
| O | 28 | IR motor unit | 1 | 7336-W85-B1 |
| O | 29 | Plastic die-cut sheets (6) | 1 | 7336-PP |

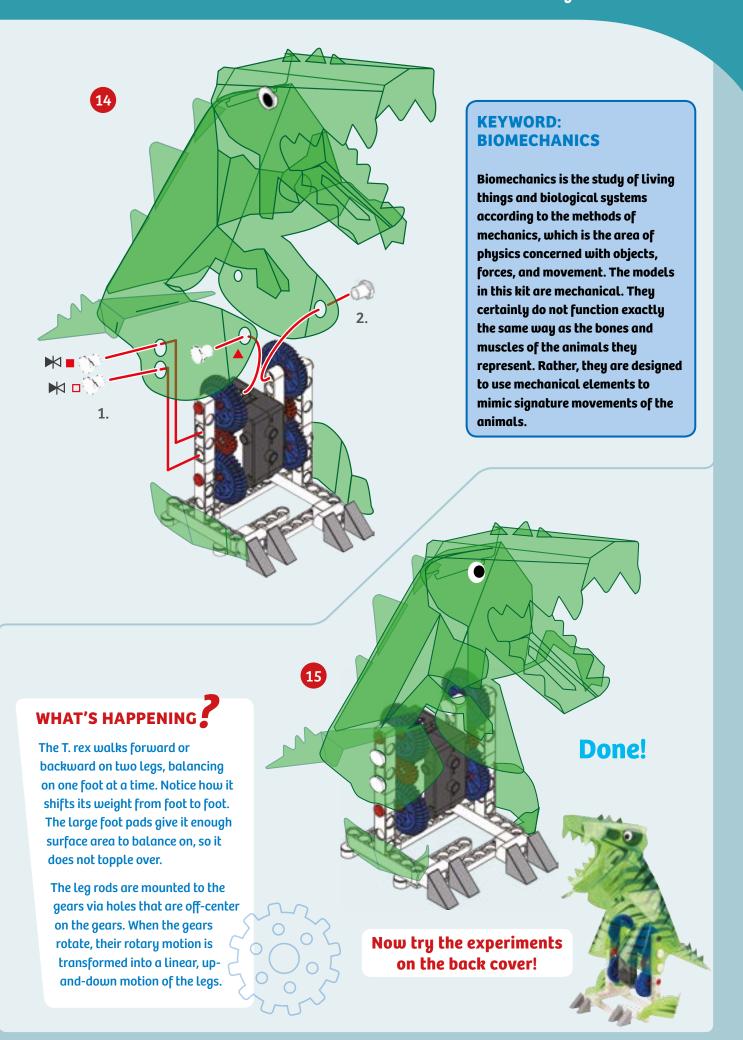
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TIP!
You will find additional
information in the "Check it
out" sections on pages 6, 11,
16, 20, 24, 28, 32, and 36.

You will also need: 6 x AAA batteries (1.5-volt, type AAA/ LR03)







Deadly Arachnids

Scorpions are arachnids, a huge class of joint-legged invertebrates called arthropods. All arachnids have eight legs. There are over 100,000 species of arachnids including spiders, scorpions, ticks, and mites.



STINGER

A scorpion's tail has six segments. The last segment, called the telson, has a stinging barb on it. Inside, there are glands that produce poisonous venom. The venom paralyzes the scorpion's prey which primarily consists of insects.

LEGGED ROBOTS

Like scorpions, legged robots are able to move with the help of legs. Usually, they have four or six legs so they don't tip over so easily.

CLAWS AND LEGS

Like crabs, scorpions have chelae, or claws, on their foremost appendages. They have four pairs of symmetrical legs and a carapace—a large upper exoskeletal shell. Like crabs, they have an exoskeleton on the outside and muscles, nerves and tissue on the inside. Scropions can move very quickly to surprise, attack, and paralyze their prey.