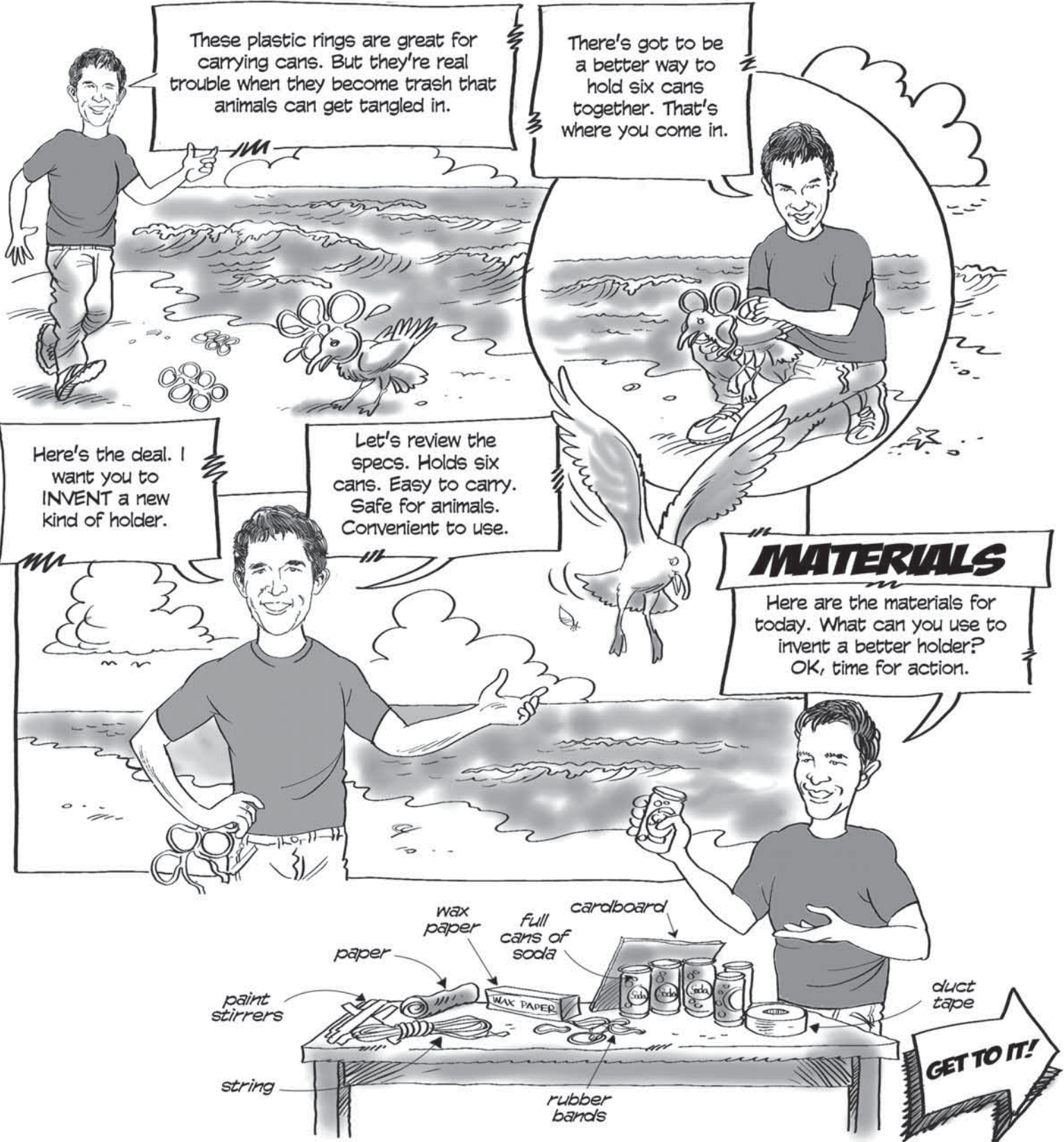


HARMLESS HOLDER



as built on TV.

pbs.org/designsquad



BRAINSTORM & DESIGN

- How can I hold six cans together?
- Should I arrange the cans on end? On their sides? Stack 'em?
- How will I remove the cans easily?
- How will I carry the holder?

BUILD

What've you got so far?
Hmmm, how are you going to keep the cans from falling off?
Any plans for using other materials?

TEST & REDESIGN

Okay, show me what you've got. Oops, you need a better handle. Back to the drawing board.

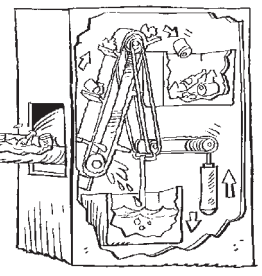
NOTES

My holder's bending and twisting. That's **FORCE** at work. Pushing and pulling on the parts.

Need to reinforce things to resist the force.

LATER...

Congratulations! You did an incredible job. You improved things for animals, helped reduce litter, and made the world a better place. That's what invention and engineering are all about.



Storm water often contains debris, which can clog storm drains. More than an expensive problem, a clogged drain can be a health hazard. The Colfax High School InventTeam invented a drain that separates out the debris and puts it into a trash can. Check out this project and others at web.mit.edu/inventteams.



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