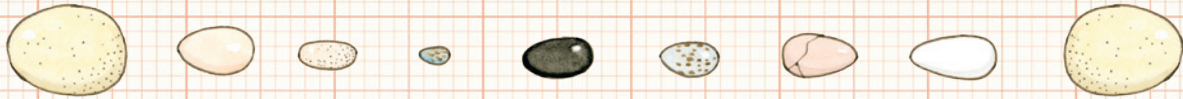


SUPER-DUPER ENGINEERING CHALLENGE

Rosie is helping Uncle Fred at the zoo. You can help, too! This is your chance to brainstorm, design, and build an invention to help Rosie and Uncle Fred!



You can use any materials you wish. There is no wrong answer to this challenge, just lots of chances to make fabulous failures—and to learn!

The orangutans are clever primates. They taught themselves to use branches as levers and pried open the gate to their enclosure. After that, they taught the other primates to use levers, too. One night, they opened all the enclosures and let the zoo animals roam free. Then they played catch with all the eggs they could find in the zoo. That's a lot of eggs.



When Uncle Fred arrived at the zoo, it was pandemonium!

It took the zookeepers all day to get the animals back into the right enclosures. And another day for Uncle Fred to locate all the missing eggs. He doesn't want to touch them and risk his scent confusing the animals, so he needs an invention that can gather the eggs and put them into a container.

The orangutans were very clever—
Taught themselves to use a lever.
Opened doors and cages, too.
Now it's chaos at the zoo!



Rosie wants to build the Eggster-1000 Egg Picker-Upper.
Can you help her design it?

Now, use your Engineer's Treasure to build your design!



A FEW RULES TO REMEMBER

- The Eggster-1000 must pick up each egg without dropping it or cracking it.
- The person using the Eggster-1000 must not touch the eggs.
- The user's hands must never be closer than 15 cm (6") from the eggs.
- Eggs at the zoo are all different sizes. For now, design the Eggster-1000 to pick up eggs the size of a chicken egg.

