

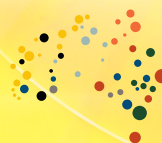


 Kids

123
SESAME STREET

MECHA BUILDERS

ACTIVITY GUIDE



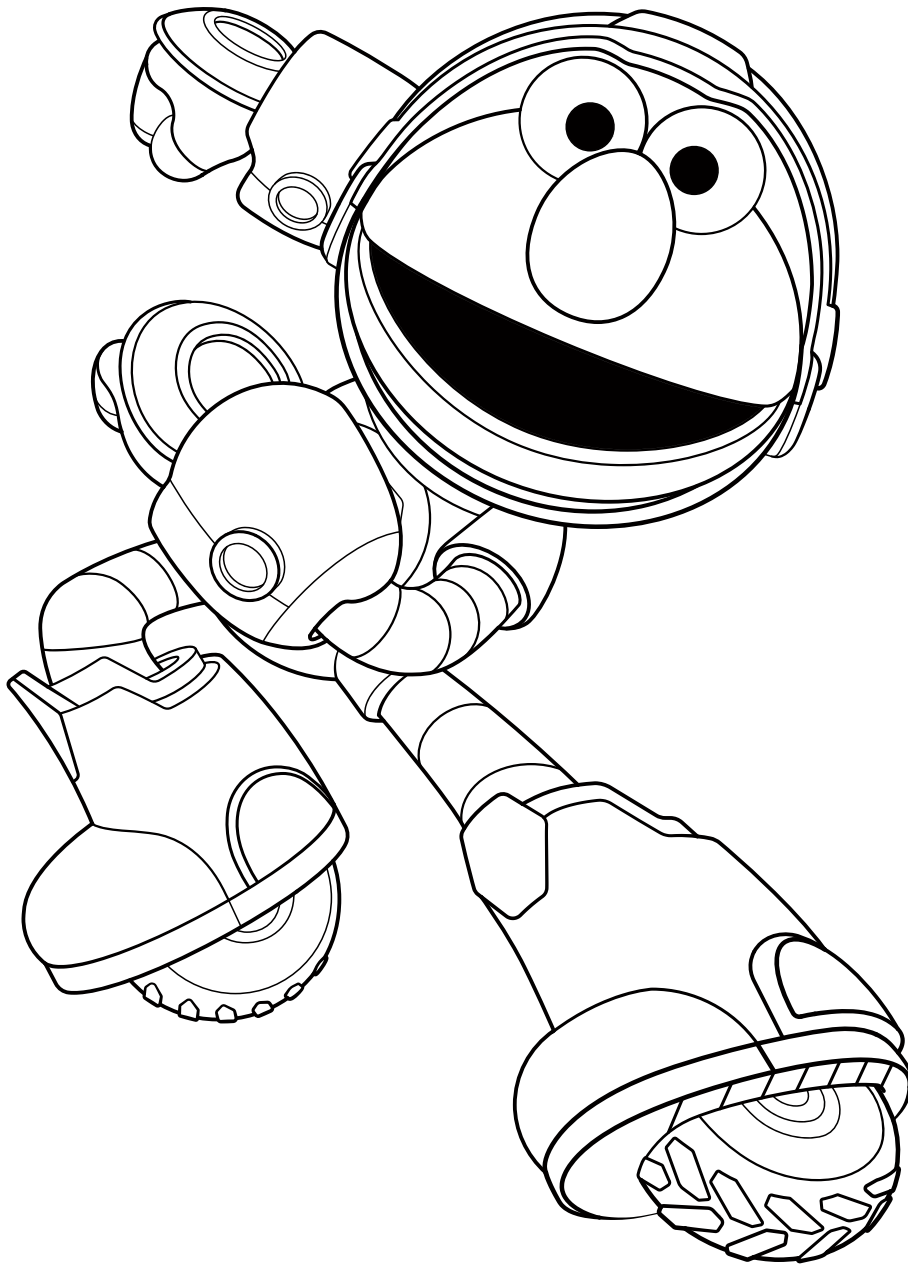
Australian
Space Agency



Australian
Space
Discovery
Centre

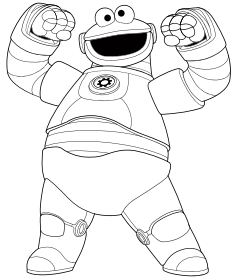


Color in Mecha Elmo!

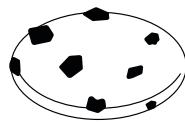
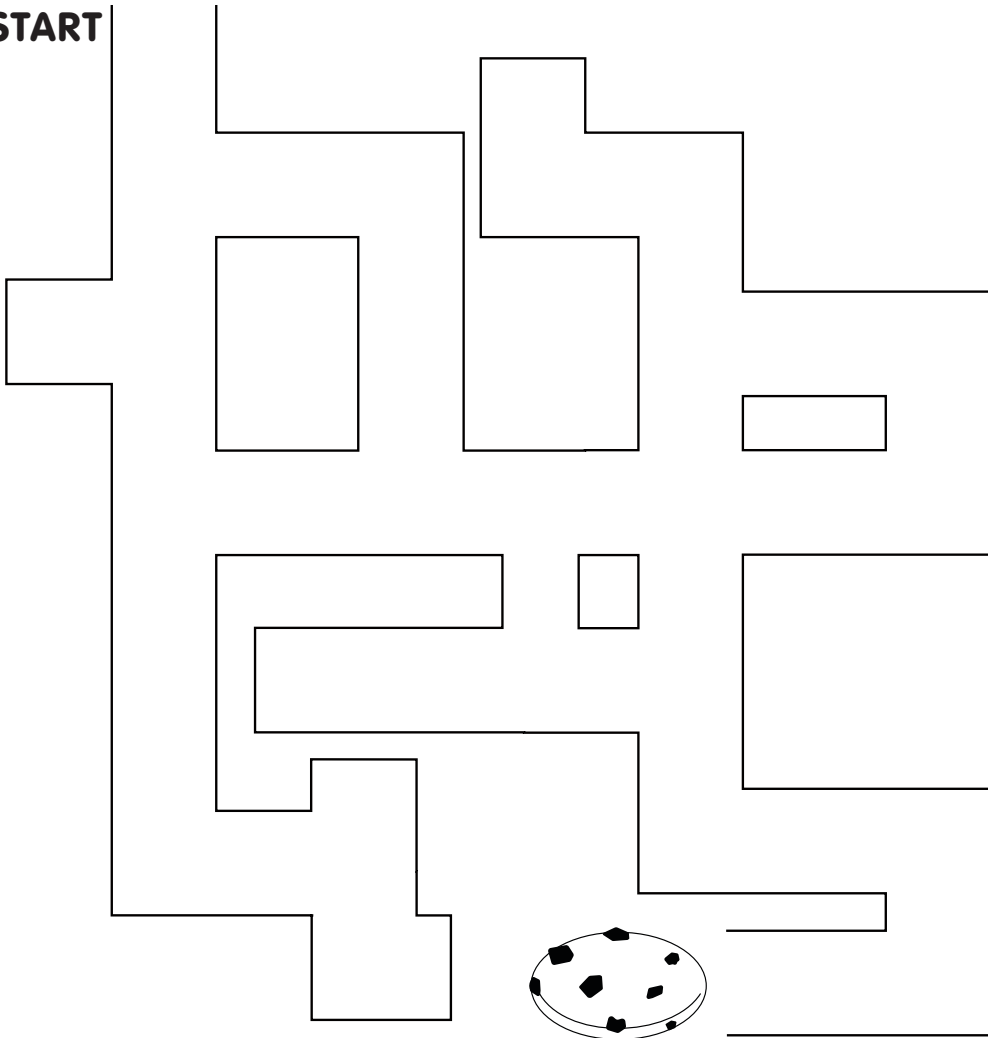




It's snack time for Mecha Cookie!
Help him get to the cookie—his
favorite sometimes treat!

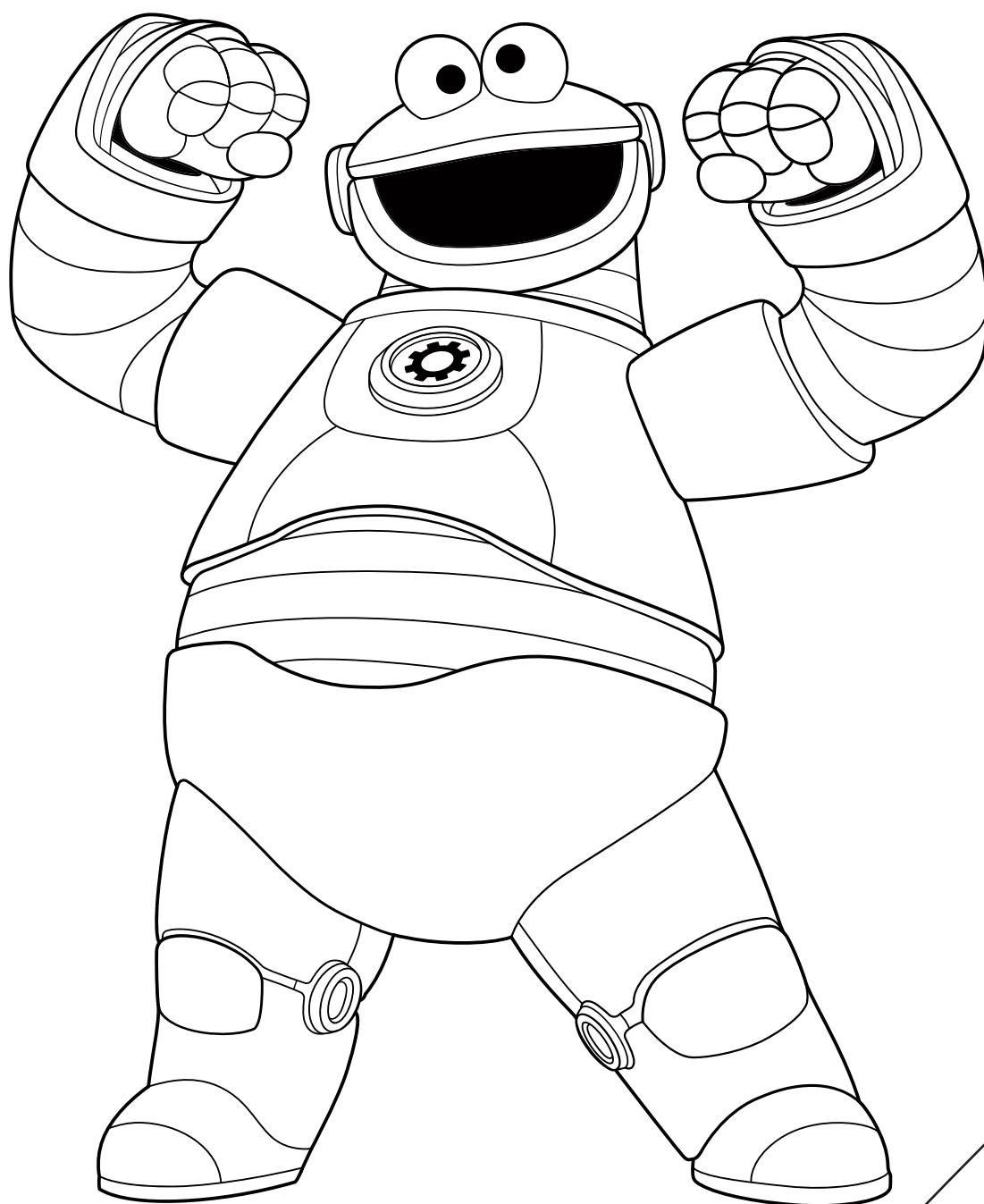


START



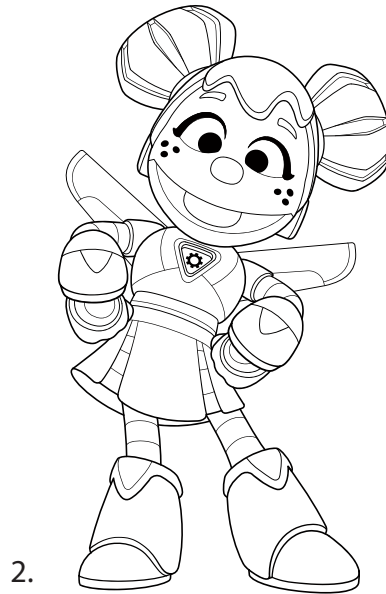
FINISH

Color in Mecha Cookie!



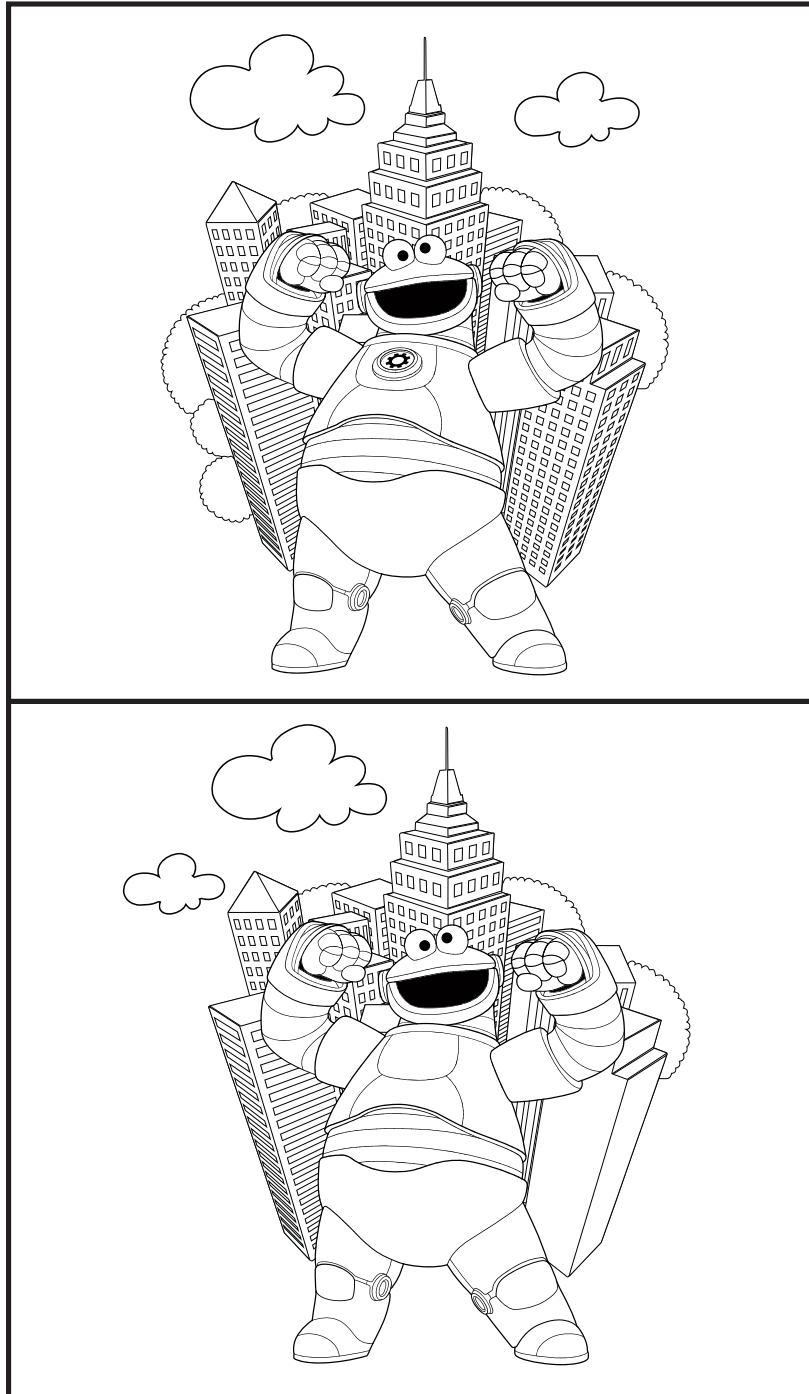


Find which photo of Mecha Abby is different and circle it!





**Spot four differences between
these two pictures of Mecha Cookie and circle them.**



Free Fall



Ask a grown-up to help you with these science activities!

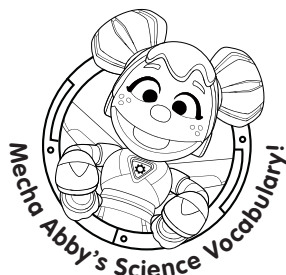
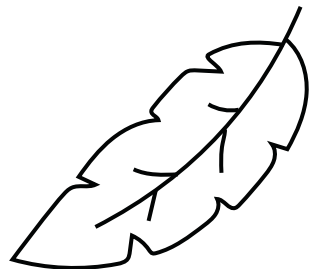
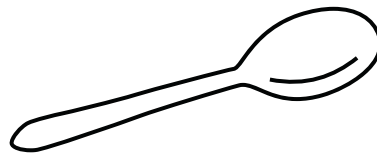
What You Need:

- 6 household items—some light, some heavy: A book, a Ping-Pong ball, a toy car, a pencil, a toy block, a feather, tissue paper, etc.
- A friend and/or a full-length mirror
- A notebook
- Crayons

Some superheroes defy gravity! Gravity is a force that pulls everything toward the center of the earth. But shape will affect the speed at which something falls. If an object catches air it will not drop as fast. That is why feathers and paper float to the ground. Collect a few objects and try it yourself. Use the power of observation to find out what happens!

What to do:

1. Put your 6 items in pairs, (i.e. a toy car and a book; a Ping-Pong ball and a block), side by side on a table.
2. Stand in front of a full-length mirror or ask a friend to watch as you drop two objects at the same time.
3. Observe what happened. Did the objects drop at the same rate? Did one drop faster or slower than the other? Was there something about the shape of the object that made a difference?
4. Mix up your objects and drop different pairs. Did anything different happen? Now try dropping the objects from a higher or lower point and see what happens.
5. Draw pictures of your objects and put check marks next to the things that fell quickly, and stars next to the ones that fell slowly.



Defy

To go against rules,
seem impossible

Gravity

An invisible force that
pulls things toward
the ground.

Rate

Speed



**Draw a picture of
your favorite Mecha Builders tool!**