**Bouncing Ball Assignment:**

3 balls going down the stairs:

The balls cannot be a different color or size. You must show what kind of ball they are through their motion not visual distinction like color and scale.

**The balls you’re animating are:**

* Ping pong – fast, bouncy, light, sharp movements
* Bowling Ball – heavy. Slower, very little bounce, drops fast
* Beach Ball – slow, light (wind resistance), airy

Animate these balls and adjust their motion using the graph editor to differentiate them from each other.

**Questions to consider:**

When does a ping pong ball bounce fast?

When does a bowling ball start to speed up or does it?

What is the difference in a beach ball bouncing in comparison to a ping pong ball when they both are light?

**Graph Editor Notes:**

The more horizontal a line is, the less change or movement there is.

The more vertical a line is, the faster something is happening or the faster the movement.

If I want to speed something up, it has to happen within less frames. (a ball dropping that takes 12 frames to drop from when it’s let go will take a half a second to hit the ground assuming you’re using 24fps)

If I want to slow something down, it has to happen within more frames. (a ball dropping that takes 48 frames to drop from when it’s let go will take 2 seconds to hit the ground assuming you’re using 24fps)