

60 minutes of team building fun!

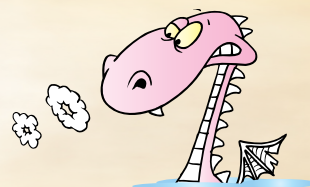
This is a Real “Smash-Up!”



The “Bull’s Eye” Egg Drop Mission

Deep in the heart of the **WAGiVoyage**, you’ll now uncover another secret mission.

Using only your wits and a few scattered supplies, you must build a fearless capsule to protect your egg as it falls from nine feet — and land it squarely on the bull’s eye before the sea serpent can swoop in and gobble up your egg!



Your Mission:

You'll build a capsule to protect a raw egg dropped from 9 feet high. You'll only get limited materials. Your job is to slow down the egg and give it a soft landing—without breaking it!

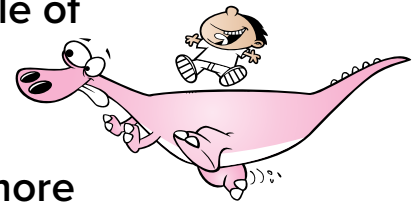


DANGER ALERT: Your egg **MUST** land on the bull's eye! If it misses the sea serpent will gobble it up!



The Legend of The Sea Serpent

Deep beneath the classroom floor lives “**Scrambles**,” the egg-hungry sea serpent! Legend says Scrambles was once a tiny classroom pet who accidentally fell into a puddle of science experiment goo.



Now, Scrambles lives in the mysterious depths below the classroom. Scrambles **LOVES** eggs more than anything. The only thing that keeps Scrambles from rising is a landing zone marked by the bull's-eye!

If your egg misses the bull's-eye and splats... Scrambles will rise in a whirlpool of hungry excitement!

The Drop Zone

The drop zone consists of:

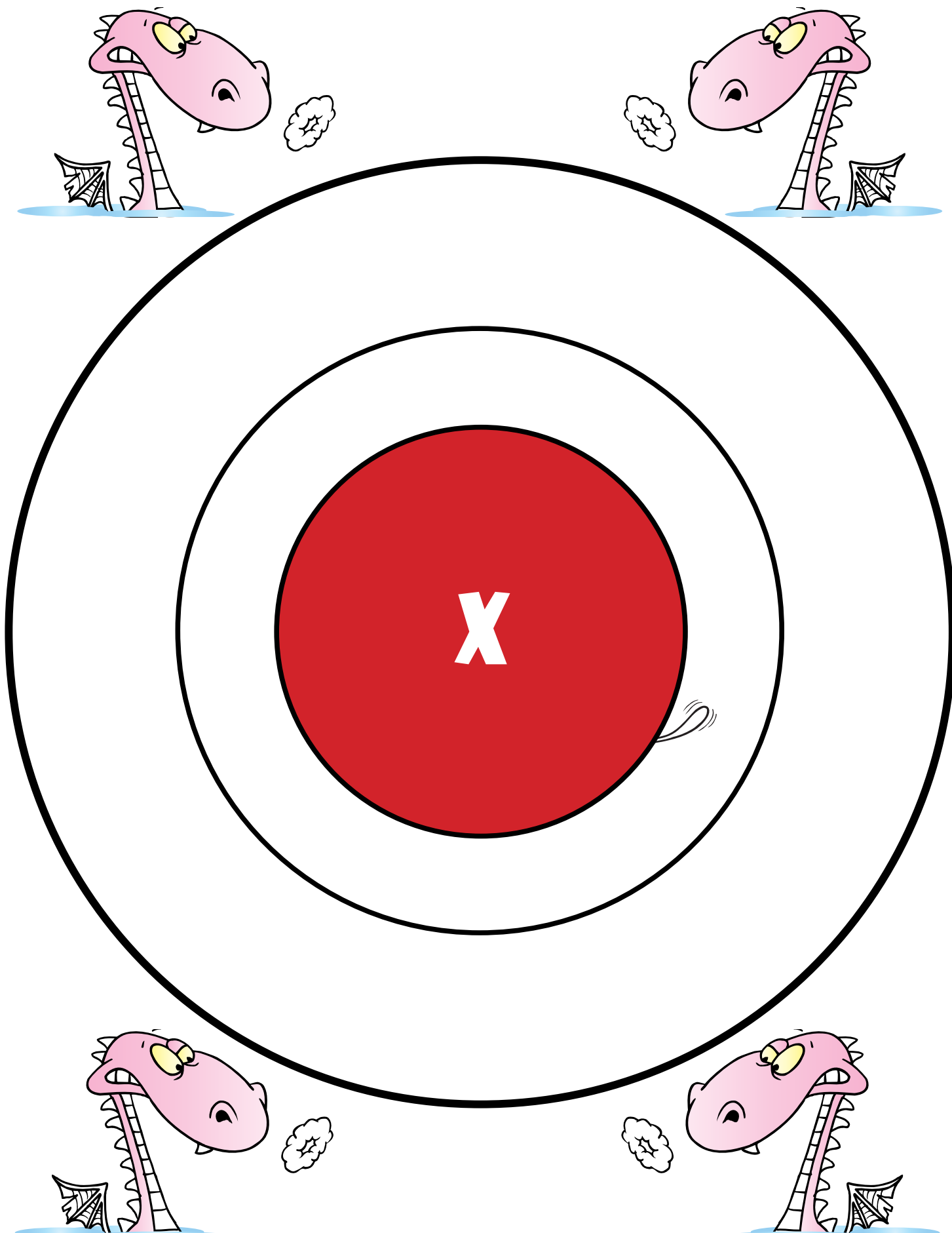
1. A small bull's-eye target on the floor
2. Three rings:

Center ring (10 points, completely safe from Scrambles)

Middle ring (5 points, Scrambles gets restless)

Outer ring (0 points, Scrambles starts to rise)

Beyond the rings is the **DANGER ZONE** where Scrambles lives!



Supplied Materials:

Each group of students gets the following:

- 2 balloons
- 4 straws
- 1 foot of aluminum foil
- 4 popsicle sticks
- 3 eggs
- Floor covering (tarp)
- 2 small paper cups
- 1 square foot of plastic wrap
- 4 rubber bands
- 2 feet of tape
- 1 bull's eye target
- 1 pair of scissors

GUIDELINES:

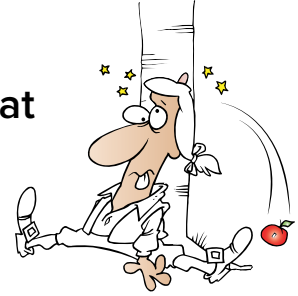
1. You are responsible for cleaning up after the drop!
2. The egg needs to be inserted easily before competing and quickly checked after the drop.
3. The egg must stay inside capsule throughout the drop.
4. The judges will provide the competition eggs.
5. No manipulation of the egg to strengthen it.
6. You need to see the egg inside your capsule at all times.
7. No egg-cheating (no hard-boiling!)
8. Fewer materials = more points!
9. Your egg **MUST** hit the bull's eye to win!



STEP 1: **IMAGINE** the Challenge

Think like a scientist, superhero, and inventor—all at once!

Does this challenge look like a NASA capsule landing back on Earth, or an apple falling from a tree, or ...?



STEP 2: **DEFINE** the Challenge

Be a detective and ask this question:

“How can we make something that **keeps an egg safe** when dropped from 9 feet AND **lands exactly on the bull’s eye** to avoid becoming Scrambles’ breakfast?”

STEP 3: **EXPLORE** and **Fail on Purpose!**

PART 1: Fail on Purpose!

1. What would guarantee that the egg splats?
2. What would you **“never”** do to protect it from breaking?



Your Wacky Fail Ideas Might Include:

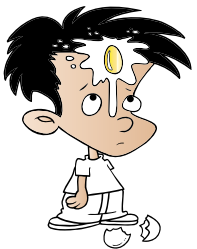
“I’d throw the egg as hard as possible at the target.”

“I’d put rocks inside with the egg!”

“I’d close my eyes when aiming at the target!”

“I’d build a catapult aimed at Scrambles’ mouth!”

“I’d cover the egg in ketchup to make it tastier to eat!”



PART 2: Flip the **Failure!**

Now turn each “bad” idea into a good one!

If “throwing the egg into danger” is bad, try “slowing the egg down with a parachute aimed at the bull’s eye.”

If “putting rocks inside” is bad, try “using soft cushioning materials.”

If “closing eyes when aiming” is bad, try “adding a weight to make it fall straight down onto the target.”

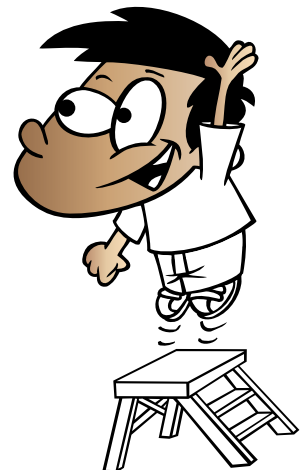
If “building a catapult” is bad, try “creating landing gear that absorbs shock.”

If “making egg tastier” is bad, try “designing your device to look scary to sea serpents!”



STEP 4: **ACT** — Build Your Egg Protector

1. Build your first capsule prototype, climb the ladder, and drop it to see how it performs.
2. Learn from the first drop and build your second prototype.
3. Then climb the ladder and drop your new capsule to see how it performs.
4. Learn from the second drop and it's time to build your competition capsule.
5. Now, it's time for the competition drop. Build your final capsule, climb the ladder, and drop away.



Scoring on Final Drop:

Hits the bull's eye	10 egg points
Egg is unbroken and not cracked	10 egg points
Egg shell is only cracked	5 egg points
Egg is broken	-10 egg points
Container with least materials used	10 egg points

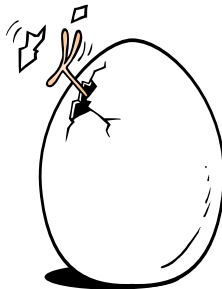
Total Egg Points Score: _____

STEP 5: **SHARE YOUR STORY**

1. Give your egg-saving capsule a cool name.
2. What was your wildest idea?
3. Did any “bad ideas” turn into a good solution?
4. What would you do differently next time?

Time to Journal:

How did you use **Curiosity**, **Compassion**, and **Courage** to land your egg safely?



“Every crack, flop, or bounce makes you smarter and stronger.”