

Science English III: Egg Drop Experiment

Name : _____ HRNO : _____ Group: _____

In this experiment, you will drop an egg from the second floor of Jonan. You will build a device using simple materials like chopsticks and rubber bands to protect the egg as it hits the ground. **Your device may not use a parachute.** If your device is successful, your team will receive bonus points.

Part 1 : Introduction

Why do you think this experiment is useful for people or society? How can we apply what we learn in this experiment to real life?

Before you begin this experiment, please predict what kind of device you think will be most effective.

Part 2: Experimental Procedure

Draw a simple diagram of your device. Label the materials used to make the different parts.

Explain the scientific principles behind the device you made. How should it protect the egg inside?

Part 3: Results

Please state the level of damage to the egg inside your device.

- None Little (Small cracks only) Medium (Large cracks) High (Completely destroyed)

Describe what happened to your device. Write about the damage it has. Do you think it could be reused?

Part 4: Discussion and Conclusion

Please explain why you think you got your results. What do you think were the good and bad points of the device you made?

Choose one question:

If your device was successful: What kind of experiment related to this topic do you want to try next?

If your device was *not* successful: How can you improve your device so that it would be successful?
