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*Raven Hill Discovery Center is a 501(c)(3) tax-exempt corporation.*

**Mission:** Raven Hill provides a place that enhances hands-on and lifelong learning for all ages by connecting science, history & the arts.

## Eggdrop

The goal is to package a raw chicken egg so that it will survive a fall from a high spot, like at the top of a ladder or an upstairs window. A raw egg simulates delicate instruments. Dropping the packaged raw egg from a high spot is like trying to land delicate instruments on the moon or on Mars. You will need a raw chicken egg – fresh is better, smaller is better, farm-raised is better; 12 inches of tape and paper, plastic or Styrofoam packaging materials of your choice—even items from your recycling box will work, BUT no more than 4 SMALL items. You may choose two or three of the same items, but the total number of items can only be 5 or less. Use materials to package your raw egg for the Eggdrop. Package to protect the egg, so it will not break when dropped from a ladder or upstairs window. Package should be taped Find a high spot—ladder or second story window. A trash bag for a landing site is optional! With adult supervision, climb the ladder or open the window and drop your package onto cement, if possible. Retrieve the package and open it to check your egg. Did your “delicate instruments” survive or do you need to rethink your packaging? If your egg survived, try it with fewer packaging items. Try different items. Try it with only one kind of packaging material. Can your packaging survive being thrown up in the air and landing on cement? National Aeronautics and Space Administration (NASA) encourages problem solving. Problem solving, thinking outside the box, creative and critical thinking skills are important. Be a NASA scientist today! Clean up your mess and have a scrambled egg for lunch!



1 Supplies



2 Package for landing



3 Launch or drop



4 Failure to protect!



Enjoy your egg for lunch!