

Egg Drop Contest

In this contest, a team of one to two students will construct a device that will enclose and protect an egg from cracking or breaking when it is dropped from a certain height (about 20 ft.) towards a target on the ground. The goal is to build a device with the least weight and the shortest dimensions, and will land as close to the target as possible.



MATERIALS AND DESIGN:

You will be given a budget of \$1000.00 and you will be able to purchase items that your teacher has brought to the class. You cannot exceed your budget. You are permitted to bring items from home as long as they meet the specifications of the project.

The device cannot have a dimension (diameter or diagonal in any direction) longer than 60 centimeters. This means that the device must be able to fit inside a sphere with a 60 cm diameter. If the device has wings or a parachute, the longest length will be measured with the wings or parachute fully expanded.

Your teacher will supply medium sized eggs. If you wish to put your egg inside a protective device, at least 1 square cm of the egg's surface must be visible from the outside. Any additional material like tape or glue to close or hold it together after the egg is enclosed will be included in the weight of the device.

SUGGESTED MATERIALS:

Trash bags, paper cups, rubber bands, heavy paper, balloons, Kleenex, paper towels, cotton, aluminum foil, coffee filter, tape, foam peanuts, string, etc.

CALCULATIONS:

Mathematically, the following statements can be made, where "Δ" means "the change in".

$$v = d / t$$

$$d = \frac{1}{2} g t^2$$

$$a = \Delta v / \Delta t$$

$$F = ma$$

Algebra Egg Drop Project

Jacqueline Ancess



Algebra Egg Drop Project:

Beating the Odds Jacqueline Ancess, 2003-01-01 Beating the Odds tells the story of how teachers students and leaders in three schools transcend obstacles to beat the odds of failure and achieve impressive success The schools a suburban vocational technical school an urban school for immigrant new English language learners and an urban second chance school for students who have failed elsewhere all operate as communities of commitment With accessible language multiple examples and rich anecdotes Ancess describes how these schools are organized how they use adult student relationships to leverage high levels of student performance how they enact teaching and learning for making meaning and how they confront the obstacles they encounter Ancess also discusses the systemic conditions for sustaining and scaling up schools such as these three The high schools described in this volume Urban Academy International High School and Hodgson Vocational Technical have come to represent models of successful reform despite their challenging student populations In addition to telling their story this book provides samples of school documents that illustrate the day to day operation of the schools and can be adapted by practitioners to fit their own circumstances Dorland's Dictionary of Medical Acronyms and Abbreviations - Ebook Dorland, 2022-08-18 Quick convenient shortcuts abound in the language of every health care setting but these abbreviations and acronyms can be confusing and if misunderstood or misused can hinder effective communication Dorland's Dictionary of Medical Acronyms and Abbreviations 8th Edition takes the uncertainty out of using and interpreting the thousands of terms used in a multitude of medical specialties Arranged alphabetically for quick reference this up to date Dorland's dictionary is an essential resource for virtually any medical abbreviation you may encounter Provides more than 90 000 comprehensive definitions for acronyms abbreviations and symbols in one reliable easy to manage reference Contains COVID 19 related acronyms and abbreviations both in a stand alone section and incorporated throughout Includes many new terms from a wide variety of fields such as billing and coding pharmacy pediatrics epidemiology microbiology veterinary medicine new medical societies and associations and health related government agencies Features a separate section on symbols used as abbreviations Lists abbreviations to avoid including Joint Commission and Institute for Safe Medication Practices abbreviations that are not to be used Are You Smart Enough to Work at Google? William Poundstone, 2012-04-01 The No 1 bestseller new in paperback You are shrunk to the height of a penny and thrown in a blender The blades start moving in sixty seconds What do you do If you want to work at Google or any of the world's top employers you'll need to have a convincing answer to this and countless other baffling puzzles Are You Smart Enough to Work at Google Reveals the new extreme interview questions in the postcrash hypercompetitive job market and uncovers the extraordinary lengths to which the best companies will go to find the right staff Bestselling author William Poundstone guides readers through the surprising solutions to over a hundred of the most challenging conundrums used in interviews as well as covering the importance of creative thinking what your Facebook page says about you and what really goes on inside

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Proceedings Lawrence P. Grayson,Joseph M. Biedenbach,1975 *Independent Schools* ,1997 *Job Corps Happenings* ,1979 Private Independent Schools, 1986 Bunting & Lyon, Incorporated,1986-12 *Private Independent Schools* ,1996

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Everyday Mathematics Jean F. Bell,University of Chicago. School Mathematics Project,2007 The core of the Everyday Mathematics program for Grades 1 6 the Teacher s Lesson Guide provides teachers with easy to follow lessons organized by instructional unit as well as built in mathematical content support Lessons include planning and assessment tips as well as multilevel differentiation strategies to support all learners **Who's Who Among American High School Students** Educational Communications, Incorporated,Joe Eassociate Publ Krouse,1996-12 Honoring Educational Achievement among American High School Students

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