

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

Christian G. Meyer



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

Proceedings American Society for Engineering Education. Conference, 1986

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well as covering the importance of creative thinking what your Facebook page says about you and what really goes on inside the Googleplex How will you fare **Exploring Tech Careers** ,2014-05-14 Offers information on the duties salary ranges educational requirements job availability and advancement opportunities for a variety of technical professions

Proceedings American Society for Engineering Education,1986 **Dorland's Dictionary of Medical Acronyms and Abbreviations** Dorland,2015-07-24 Medical acronyms and abbreviations offer convenience but those countless shortcuts can often be confusing Now a part of the popular Dorland s suite of products this reference features thousands of terms from across various medical specialties Its alphabetical arrangement makes for quick reference and expanded coverage of symbols ensures they are easier to find Effective communication plays an important role in all medical settings so turn to this trusted volume for nearly any medical abbreviation you might encounter Symbols section makes it easier to locate unusual or seldom used symbols Convenient alphabetical format allows you to find the entry you need more intuitively More than 90 000 entries and definitions Many new and updated entries including terminology in expanding specialties such as Nursing Physical Occupational and Speech Therapies Transcription and Coding Computer and Technical Fields New section on abbreviations to avoid including Joint Commission abbreviations that are not to be used Incorporates updates suggested by the Institute for Safe Medication Practices ISMP **Proceedings** Lawrence P. Grayson,Joseph M. Biedenbach,1975 **The Lamp** ,1999 *Mathematics Teaching in the Middle School* ,1994 **Independent Schools** ,1997 *Private Independent Schools* ,1996 Private Independent Schools, 1986 Bunting & Lyon, Incorporated,1986-12 *Job Corps Happenings* ,1979 *Me and Myn* Samuel Rutherford Crockett,1907 **Bunting and Lyon's Guide to Private Independent Schools** Bunting & Lyon, Incorporated,Bunting and Lyon,1980-05 **Sunny Side Up** Frances Hurley Grimes,1984-12 **Bulletin - San Francisco Medical Society** San Francisco Medical Society,1958 **Nuclear Science Abstracts** ,1967-07 **Science** ,1891 Vols for 1911 13 contain the Proceedings of the Helminothological Society of Washington ISSN 0018 0120 1st 15th meeting

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