

Work done = Force  $\times$  displacement

$$W = FS \cos \theta$$



$$W = \vec{F} \cdot \vec{S}$$

SI unit:

Joule (J)

$$1J = 10^7 \text{ erg}$$

cgs unit:  
erg

# Work

Scalar

+ve

If displacement is in the direction of force.  
i.e.  $0 \leq \theta < 90^\circ$

-ve

If displacement is in the direction opposite to the force.  
i.e.  $90 < \theta \leq 180^\circ$

zero

If displacement is perpendicular to the force.  
i.e.  $\theta = 90^\circ$

$$W = \frac{1}{2} m (v^2 - u^2)$$

Work done = change in K.E.

Work-energy theorem

SI Unit:

Watt (W)

Practical Unit:  
Horse Power (H.P.)

# Power

Scalar

Rate at which work is done

$$P = \frac{W}{t}$$

W: Work done  
t: Time taken

$$P = F \cdot v$$

F: Force  
v: velocity

# Energy

Scalar

It is the ability of the body to do work

Kinetic Energy (K.E.)

$$K = \frac{p^2}{2m}$$

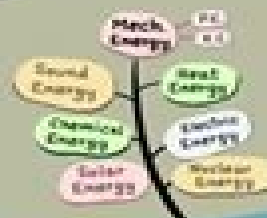
p: momentum  
m: mass

$$K.E. = \frac{1}{2} m v^2$$

Potential Energy (P.E.)

$$P.E. = mgh$$

m: mass  
g: gravity  
h: height



SI Units:  
Joule (J)

cgs unit:  
erg

Calorie

Kilowatt hour (kWh)

Commercial Unit



# Conceptual Physics Work Energy And Power

**Katrin Zwirgmaier**



## **Conceptual Physics Work Energy And Power:**

**Core Concepts of Mechanics and Thermodynamics** Rituraj Dalal, 2025-02-20 Core Concepts of Mechanics and Thermodynamics is a textbook designed for students and anyone interested in these crucial areas of physics. The book begins with the basics of mechanics covering motion, forces, and energy, and then moves on to thermodynamics, discussing heat, temperature, and the laws of thermodynamics. The book emphasizes clear explanations and real-world examples to illustrate concepts, and it also provides problem-solving techniques to apply what you learn. It covers mechanics and thermodynamics from basic principles to advanced topics, explains concepts clearly with examples, teaches problem-solving techniques, connects theory to real-world applications in engineering, physics, and materials science, and includes historical context to show the development of these ideas. Core Concepts of Mechanics and Thermodynamics is a valuable resource for students, teachers, and self-learners. Whether you are beginning your journey or seeking to deepen your understanding, this book provides a solid foundation in these essential subjects.

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- 1 Every concept is given in student-friendly language with various solved problems and checkpoint questions. The solution is provided with problem-solving approach and discussion.
- 2 Special attention is given to tricky topics like work-energy theorem, conservative and non-conservative forces, conservation of mechanical energy, work done by non-conservative forces, power of pump and chain-related problems, so that student can easily solve them with fun.
- 3 To test the understanding level of students, multiple-choice questions, conceptual questions, practice problems with previous years' JEE Main and Advanced problems are provided at the end of the whole discussion. Number of dots indicates level of problem difficulty. Straightforward problems (basic level) are indicated by single dot, intermediate problems (JEE mains/NEET level) are indicated by double dots, whereas challenging problems (advanced level) are indicated by three dots. Answer keys with hints and solutions are provided at the end of the chapter.

**Work, Energy and Power** Sanjay Kumar, 2020-09-16 This text book is primarily intended for students who are preparing for the entrance tests of IIT, JEE, NEET, AIIMS, and other esteemed colleges in same fields. This text is equally useful to the students preparing for their school exams. Main Features of the Book:

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indicated by single dot intermediate problems JEE mains NEET level are indicated by double dots whereas challenging problems advanced level are indicated by three dots Answer keys with hints and solutions are provided at the end of the chapter

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**Proceedings of the American Society of Civil Engineers** American Society of Civil Engineers,1923      **Proceedings**  
American Society of Civil Engineers,1923      The Concepts and Theories of Modern Physics John Bernhard Stallo,1884

**Instructor's Manual [to Accompany] Conceptual Physics, Eighth Ed** Paul G. Hewitt,1998 Conceptual Physics Tenth Edition helps readers connect physics to their everyday experiences and the world around them with additional help on solving more mathematical problems Hewitt's text is famous for engaging readers with analogies and imagery from real world situations that build a strong conceptual understanding of physical principles ranging from classical mechanics to modern physics With this strong foundation readers are better equipped to understand the equations and formulas of physics and motivated to explore the thought provoking exercises and fun projects in each chapter Included in the package is the workbook Mechanics Properties of Matter Heat Sound Electricity and Magnetism Light Atomic and Nuclear Physics Relativity For all readers interested in conceptual physics      **Conceptual Physics**, 1971      **Instructor's Manual to Accompany Introductory Applied Physics, Third Edition** Norman C. Harris,1972      **Building Technology** Benjamin Stein,1996 The complete guide to building technology This comprehensive guide provides complete coverage of every aspect of the building technologist's profession It details design and installation procedures describes all relevant equipment and hardware and illustrates the preparation of working drawings and construction details that meet project specifications code requirements and industry standards The author establishes procedures for professional field inspections and equipment operations tests provides real world examples from both residential and nonresidential construction projects and makes specific references to code compliance throughout the text This new edition incorporates changes in building codes advances in materials and design techniques and the emergence of computer aided design CAD while retaining the logical structure and helpful special features of the first edition More than 1 100 drawings tables and photographs complement and illustrate discussions in the text Topics covered include Heating ventilating and air conditioning systems equipment and design Plumbing systems equipment and design Electrical and lighting systems equipment and design Testing adjusting and balancing procedures for all building systems Every aspect of the building technologist's profession from the creation of working drawings through on site supervision and systems maintenance Extensive appendices include conversion factors duct design data test report forms for use in field work design forms and schedules for electrical HVAC and plumbing work and more      **Instructor's Guide to Accompany Physics, Concepts and Applications, 2nd Edition** Jerry D. Wilson,1981

College Physics Noel Charlton Little,1928      **Matter, Energy, Force, and Work** Silas Whitcomb Holman,1898

*Resources in Education* ,1981      **Concepts in Physics** Isaac Asimov,1973      University of Washington Forest Club

Quarterly ,1922      Catalog Issue Pratt Institute. School of Science and Technology,1926      Building Technology William J. McGuinness,Benjamin Stein,1977-02-03      **Some Cognitive Variables in Meaningful Learning of the Physics Concepts of Work and Energy** Vivien M. Talisayon,1972

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