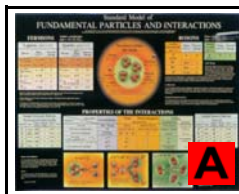


Physics - Charts and Posters

Atomic (Nuclear) Physics



	1014140	Fundamental Particles	\$75.00
A	1138111	Fundamental Particles and Interactions	\$75.00
Structure within the Atom, Bosons, Fermions, Simple Hadrons, Matter & Antimatter, Subatomic Structure etc... Basic Interactions 130 x 107cm			
	1139051	Fundamental Particles Materials and Interactions	\$85.00
Brings current research into class. NEW, with updated content including more neutrinos & a section of "Unsolved Mysteries" including Dark Matter and Dark Energy. Information on the subatomic world of Quarks, electrons, neutrinos, gluons, antimatter & the top Quark. Laminated 41 x 28 cm.			

	1139052	History & Fate of the Universe Materials.	\$85.00
Developed by Scientists this is crammed with information covering range of cosmological topics. Centrepiece is Evolutionary timeline from 10-44 when universe was smaller than a proton to the current era, about 14 billion years later when visible universe contains 4×10^{11} billion galaxies. Side panel discuss, birth, inflation, expansion, cosmic microwave background & red shifts of distant Supernovas. Laminated 75x53 cm.			

	1242133	Measurement of matter	\$11.50
B	1033159	Nuclear Fission 2	\$36.00
Three illustrations. When the nuclei of the heaviest atoms, complex aggregates of protons and neutrons are struck by other particles, a chain reaction begins. Size 86 x 60cm.			

C	1033015	Nuclear Fusion 1	\$36.00
Five illustrations. The process by which multiple nuclei join together to form a heavier nucleus which in turn releases vast energy. Size. 86 x 60cm.			

	1138019	Nuclear Fusion Reactions In colour	\$85.00
Features examples of solar & terrestrial fusion reactions with everyday exotic plasmas. Compares energy released in combustion, fission & fusion. Includes modern fusions & plasma devices. Laminated 75x53 cm.			

D	1033160	Nuclear Power Reactor	\$36.00
Four diagrams showing interior of 4 types in use today. Size 86 x 60cm			

	1139053	Nuclear Science Materials	\$85.00
Explores type, structure, properties & interactions of Atomic Nuclei. Describes basic Nuclear processes & modern picture of the Nucleus & then applies them to the formation of the Universe. Illustrates known isotopes in graphic form, traces radioactive decay from Alpha to Gamma and how new elements are found. Many applications of Nuclear Science are described. Laminated 75 x 53cm			

	1139050	Nuclear Science Set of 4	\$115.00
History and fate, Fusion, Fundamental Particles Materials. Size 75x53 cm.			

E	1033016	Radioactivity	\$36.00
Illustrates the "Half Life" process. Also plots the penetrating power of Alpha and Beta particles. Size 86 x 60cm.			

F	1033017	The Atom	\$11.50
Magnified 4 million times. Atom & Molecules series of diagrams show how protons, neutrons and electrons combine to form atoms.			

Electricity

	1242124	Electrical Current	\$11.50
Illustrates with notes: Power house to users, Alternatives, Circuitry, Safety and Uses.			

	1033011	Principals of AC Generator 60x86cm laminated	\$36.00
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	1242136	Static Electricity	\$11.50
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Illustrates and describes the fundamentals. Lighting, Charges, Examples, Conducting.			
G	1033013	Transformer 60x86cm laminated	\$36.00

Magnetism - Electromagnetism

	1242131	Magnetism	\$11.50
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Illustrates Magnetism as a force. Attraction and repulsion, magnetic field, compass, Earth's field. Laminated 52 x 76cm			
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H	1033014	Electromagnetic Induction	\$36.00
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Illustrates the Three Basic laws, produce a magnetic field, Faraday's law and Lenz law. Laminated 86 x 60cm			
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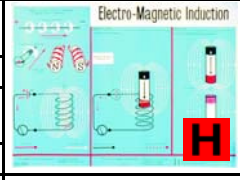
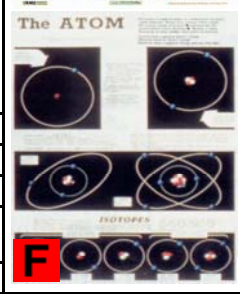
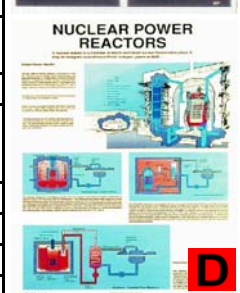
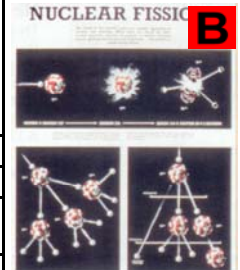
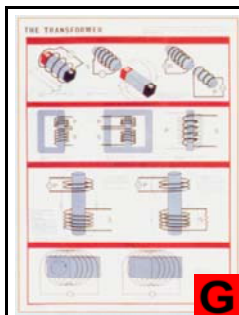
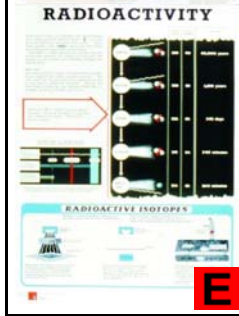
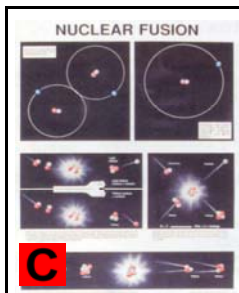
	1138005	Electromagnetic Radiation :	\$60.00
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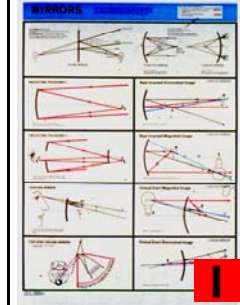
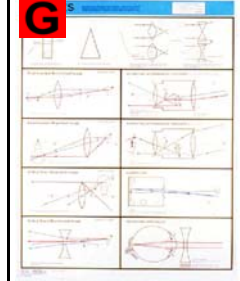
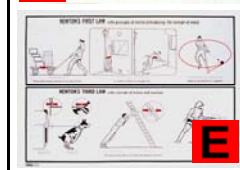
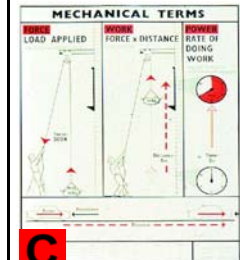
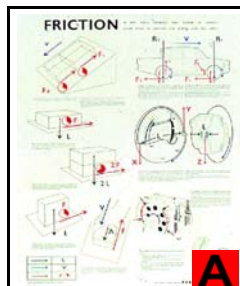
Shows all major Divisions of the Electromagnetic Spectrum. Radio & TV shown. Large diagrams explain phenomena of Reflection, Refraction, Diffraction, Interference in visual. 100x150cm on Heavy Stock.			
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I	1014139	Electromagnetic Spectrum	\$49.50
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	1242126	Electromagnetism	\$11.50
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Illustrates Electromagnetism: How produced, Right Hand rule, produce a current, uses. Laminated 52 x 76cm.			
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Mechanics		
1242125	Density	\$11.50
Illustrates: Solids, Comparison, Mass-Volume, Liquids, Gases, Matter.		
1242127	Energy	\$11.50
1242128	Force	\$11.50
Illustrates: Contact, Non Contact, Electrostatic attraction, Measuring (Newton Meter), Visible Effects of Force.		
A 1033007	Friction	\$36.00
Friction principle illustrated. Understanding of friction and factors in design of brakes etc... 60x86cm Laminated		
1242132	Mass & Weight	\$11.50
B 1033001	Mass & Weight	\$36.00
Demonstrates & defines concept of mass & weight & gravitation, relationships and introduces the Newton unit. Also in space values change. 60 x 86cm laminated.		
C 1033006	Mechanical Terms	\$36.00
Demonstrated by example of load being lifted via use of a pulley. Shown International units of measurement & formulae. 60x86cm laminated.		
D 1033008	Momentum	\$36.00
Illustrations are used to example aspects of momentum. Firing gun, throwing ball, vehicle collisions, Rocket propulsion & Pelton wheel. 60x86cm laminated.		
E 1033003	Newton's First & Third Law	\$36.00
60x86cm laminated		
F 1033002	Newton's Second Law	\$36.00
Illustrate relations between force, mass and acceleration. 60 x 86cm laminated.		
1003001	Physics of Solids Ball makes the game	\$39.95

Heat		
1242129	Heat	\$11.50
Illustrates form of energy, sources, conduction, convection, radiation, expansion and contraction, Sun.		

Light		
G 1033010	Lenses	\$36.00
Behaviour of light rays via various media. 60x86cm laminated.		
H 1139003	Light Secrets of the Universe	\$168.00
Students will discover three great secrets of light and how light can be used to uncover the deepest mysteries of our galaxy. Complete set includes one large "Secrets of Light Poster" (112 x 77c) and 14 informational charts 35 x 26cm.analyzing the light that reaches us from the Sun and other stars. We are able to learn what elements the Sun is composed of, what is the Sun's surface temperature; and whether the Sun is moving towards us or away from us. Plus...		
I 1033009	Mirrors	\$36.00
Various types of mirrors are illustrated with light rays reflecting experiments. 60x86cm laminated.		
1242134	Optics	\$11.50
Illustrates instruments, lens, reflection, refraction.		

Sound and Waves		
1138018	Frequency Range Music	\$75.00
Frequency Ranges of 23 instruments, 4 voices, 7 different sound reproducing systems. Strong paper with aluminium edging. 100x70 cm.		
J 1048002	Solar Spectrum	\$55.00
Covers the visible part of the Solar spectrum with Fraunhofer lines. These dark lines are caused by specific frequencies within the atmosphere of Earth or Sun. 71 x 28cm.		
1242135	Sound	\$11.50
Illustrates waves, sources, hearing, travel in medium, plus...		
K 1199015	Sound Spectrum Colour illustrations, Laminated 56 x 86cm	\$36.00
L 1048001	Spectrum Analysis	\$66.00
Shows continuous spectrum of Sun, relationship, number of lines & atomic shell electrons. Study the electromagnetic, visible, and solar spectrums, the Doppler effect, Fraunhofer lines, the absorption spectra of solutions, and the bright-line spectra of ten elements. The drawings illustrate methods of producing various spectra and practical applications. 107x71cm.		

Alternative Energies		
1073014	Energy Technology Global	\$49.50
Fossil Fuels, Nuclear Energy, Renewable Energy, Saving Energy. All these topics on one 70x100cm		

