

PHYSICS

Subject Information

課程資料

Aim (課程宗旨)

- To provide physics-related learning experiences for students to develop scientific literacy (observation skill, analyzing power, data management, scientific method, etc) so that they can participate actively in our rapidly changing knowledge-based society.
- To prepare for further studies or careers in fields related to physics, and become lifelong learners in science and technology.



Syllabus (課程架構)

Physics (Full X)
Heat and Gases (熱和氣體)
Force and Motion (力學)
Wave Motion (波動學)
Electricity and Magnetism (電磁學)
Radioactivity and Nuclear Energy (放射現象和核能)
Elective 1: Medical Physics (醫學物理)
Elective 2: Atomic World (原子世界)

Teaching and Learning 學與教

It covers a range of content with a lot of daily examples and applications that enables students to develop understanding of fundamental principles, concepts in physics, scientific process skills and develop positive attitudes and values towards Science.

Learning targets - enable students to develop

(1) Knowledge and understanding,

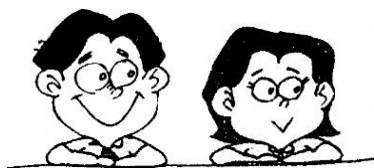
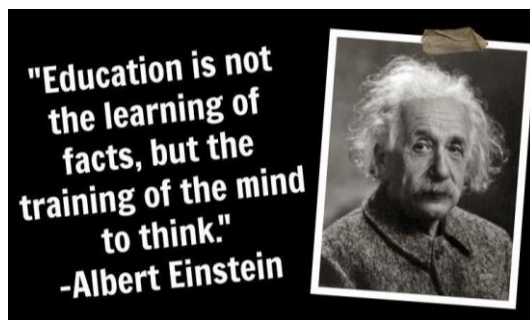
- laws / concepts / facts / models / daily applications

(2) Skills and processes,

- scientific thinking / investigation
- problem-solving / information handling
- communication / Decision-making / collaboration

(3) Values and attitudes.

- an integrative view of the relationships that hold between science, technology, society and the environment, and to become responsible citizens.
- enable students to appreciate and understand the nature of science in physics-related contexts.



Assessment Method

評估方法

Mark distribution of Internal Examination

Component	Outline	Weighting
Examination	Written exam.	~ 70 %
Others	Assignment Test/Quiz Laboratory report Lesson performance	~ 30 %

Outline of the HKDSE assessment

Component	Outline	Weighting
Public examination	Paper 1 Compulsory Part	60 %
	Paper 2 Elective Part	20 %
School-Based Assessment (SBA)	Practical related tasks and Investigative study	20 %

Photos of learning activities

