HKPISA 2006

Feedback to Schools

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學生能力國際評估計劃－香港中心 HKPISA Centre

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HKPISA 2006 Feedback to Schools

- Part 1: HKPISA School Report
- Part 2: HKPISA School Data Enquiry System

  學校數據查閱系統

  HKPISA SDES

Part 1:

How to read
HKPISA School Report

HKPISA School Report

- Primary aim of PISA: To assess the effectiveness of an educational system
- School Report: Useful data for school planning and self-evaluation
- Comparison between individual schools inappropriate due to research design (age sample, students NOT doing the same items)
- We observe strict Confidentiality

Two Sections of HKPISA School Report

- Section 1: Introduction-Aims and Content

- Section 2: School Performance (Statistics and Analyis)

  - Reference frame: i) average of all schools, ii) average of comparable group of schools

Reference Groups & Performance Distribution
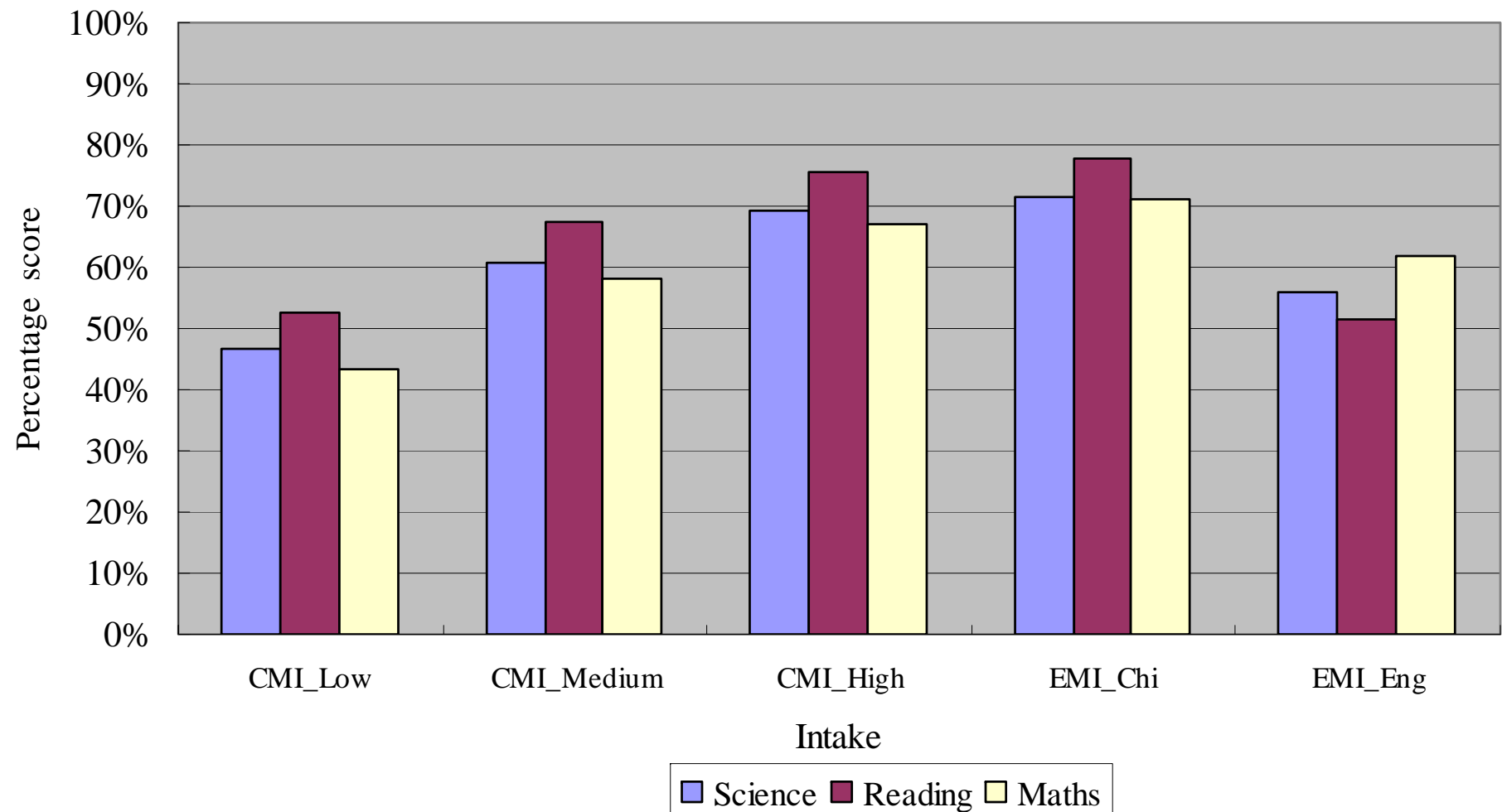
表二：各測試範疇和指數的平均表現

測試日期：二零零六年五月至六月

測試範疇	貴校 平均成績	同類別學校 平均成績	全港參與學校 平均成績
應試語文：中文			
科學	75% (10%) *n = 35*	71% (14%) *n =1734*	61% (19%) *n = 4551*
閱讀	81% (12%) *n = 20*	77% (14%) *n = 939*	67% (20%) *n = 2446*
數學	79%*(10%) *n = 27*	70% (16%) *n = 1331*	59% (21%) *n = 3501*
應試語文：英文			
科學	66%*(0.16) *n = 33*	57% (20%) *n = 1068*	56% (21%) *n = 1150*
閱讀	73%*(18%) *n = 17*	52% (24%) *n = 569*	51% (24%) *n = 619*
數學	69% (18%) *n = 24*	64% (19%) *n =824*	62% (21%) *n = 889*

表二：各測試範疇和指數的平均表現

測試日期：二零零六年五月至六月

應試語文：中文

測試範疇	貴校 平均成績	同類別學校 平均成績	全港參與學校 平均成績
科學	60% (17%) *n = 28*	61% (17%) *n = 1604*	61% (19%) *n = 4551*
閱讀	66% (12%) *n = 15*	67% (17%) *n = 855*	67% (20%) *n = 2446*
數學	57% (15%) *n = 22*	58% (19%) *n = 1237*	59% (21%) *n = 3501*

「對科學的自我認知」指數
有關的學生問卷題目例子

recoded in indices

	學生問卷中的題目：你同意以下的說法嗎？	可選擇答案			
對科學的自我認知 Self-Related Cognitions		1	2	3	4
科學的自我觀 Science Self-Concept	我很容易明白理科的新概念。	非常同意	同意	不同意	非常不同意
科學的效能感 Science Self-Efficacy	識別出廢物處理所涉及的科學問題。	我很容易做到	我努力一點便可以做到	我獨自去做會很困難	我做不到
對科學的喜愛 Enjoyment of Science	我喜歡科學方面的閱讀。	高度興趣	中等興趣	少量興趣	沒有興趣
學習科學的工具性動機 Instrumental Motivation to learn Science	我學習理科，是因為我知道它對我有用。	非常同意	同意	不同意	非常不同意

「科學的價值」及「科學素養與環境」指數
學生問卷題目例子

科學的價值 **Science Values**		1	2	3	4
整體價值 General Value	科學對社會是有價值的。	非常 同意	同意	不同意	非常 不同意
個人價值 Personal Value	長大後，我將會在很多方面運用到科學。	非常 同意	同意	不同意	非常 不同意
科學素養與環境 **Scientific Literacy and the Environment**					
環境問題的意識 Awareness of environmental issues	你對以下的環保議題有多認識？ （例：酸雨）	我從未聽過這議題	我曾聽過這議題，但不能解釋它是甚麼	我對這議題略有認識，並可作基本的解釋	我對這議題十分熟悉，並可作不錯的解釋
持續發展的責任感 Responsibility for sustainable development	為了減少廢物，塑膠包裝的使用應該減至最少。	非常 同意	同意	不同意	非常 不同意

表二：各指數的平均值

	貴校平均成績	同類別學校平均成績	全港參與學校平均成績
對科學的自我認知[6] (Self-Related Cognitions in Science)			
科學的自我觀 (Science Self-Concept)	2.56*(0.63)	2.36 (0.64)	2.39 (0.64)
科學的效能感 (Science Self-Efficacy)	2.75 (0.55)	2.79 (0.55)	2.82 (0.55)
對科學的享受 (Enjoyment of Science)	2.99 (0.56)	2.87 (0.63)	2.90 (0.63)
學習科學的工具性動機 (Instrumental Motivation to learn Science)	2.99*(0.73)	2.79 (0.72)	2.81 (0.73)
科學的價值[6] (Science Values)			
整體價值 (General Value)	3.23*(0.41)	3.39 (0.42)	3.38 (0.43)
個人價值 (Personal Value)	3.01 (0.40)	3.06 (0.50)	3.05 (0.51)
科學素養與環境[6] (Scientific Literacy and the Environment)			
環境問題的認識 (Awareness of Environmental Issue)	2.70*(0.43)	2.87 (0.45)	2.88 (0.47)
持續發展的責任感 (Responsibility for Sustainable Development)	3.28 (0.40)	3.33 (0.38)	3.35 (0.39)

[6] 各項指數最低為 1，最高為 4

Table 2: Average Scores in the Test Domains and Indices
Test Date: 02 June 2006
Language of Assessment: English

Test Domains	Average scores of your school	Average scores of all schools tested in English
Science	54% (23%) n = 23	56% (21%) n = 1150
Reading	52% (24%) n = 14	51% (24%) n = 619
Mathematics	55%* (21%) n = 17	62% (21%) n = 889
Self-Related Cognitions in Science		
Science Self-Concept	2.59 (0.49)	2.42 (0.63)
Science Self-Efficacy	2.83 (0.58)	2.91 (0.51)
Enjoyment of Science	2.81 (0.54)	2.97 (0.62)
Instrumental Motivation to learn Science	2.87 (0.38)	2.84 (0.74)

Part 2: Web-based Feedback Channel

HKPISA School Data Enquiry System

學校數據查閱系統 (SDES)

http://www.fed.cuhk.edu.hk/~hkpisa/sdes

A developing Project …on the move…2006, 2003, 2000+

HKPISA School Data Enquiry System

Objective

- Provide 'PISA schools' with accumulated, longitudinal PISA data

- Support data-driven school planning and self-evaluation

- *Support …*

HKPISA School Data Enquiry System

Content

- Data from 2006, 2003, 2000+
- Descriptives and analyses along various dimemsions

HKPISA School Data Enquiry System

Content

- **Student factors**
  - Self-related Cognitions (e.g. self concepts, …)
  - Personal Values & Attitudes

- **Parent factors**
  - Involvement at home in the child's education
  - Participation in the school
  - Home-school communication

- **Literacy Performance** in Science, Reading and Mathematics
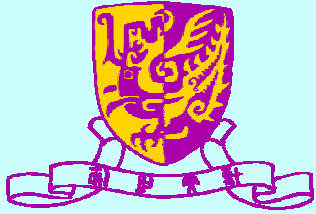
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HKPISA School Data Enquiry System - Microsoft Internet Explorer

檔案(F)　編輯(E)　檢視(V)　我的最愛(A)　工具(T)　說明(H)

上一頁　搜尋　我的最愛

網址(D) http://www.fed.cuhk.edu.hk/~hkpisa/sdes/menu.php　移至　連結

HKPISA 學生能力國際評估計劃
香港中心
Programme for International Student Assessment Hong Kong Centre

The Chinese University of Hong Kong

Hong Kong Institute of Educational Research

香港教育研究所

HKPISA School Data Enquiry System

| SCHOOL NAME: | GENERIC SECONDARY SCHOOL |
	普通中學
SCHOOL ADDRESS:	100 GENERIC ROAD SHATIN NEW TERRITORIES
	新界沙田普通道一百號

HKPISA 2000 Field Trial　HKPISA 2000 Main Study　HKPISA 2003 Field Trial　HKPISA 2003 Main Study　HKPISA 2006 Field Trial　HKPISA 2006 Main Study

Welcome! You have successfully login to the HKPISA School Data Enquiry System.
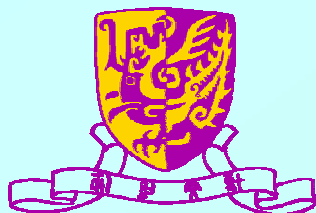
Please click the HKPISA cycle* you would like to see.

*Remarks: Some HKPISA cycles are not available to you since your school did not participate in these cycles.
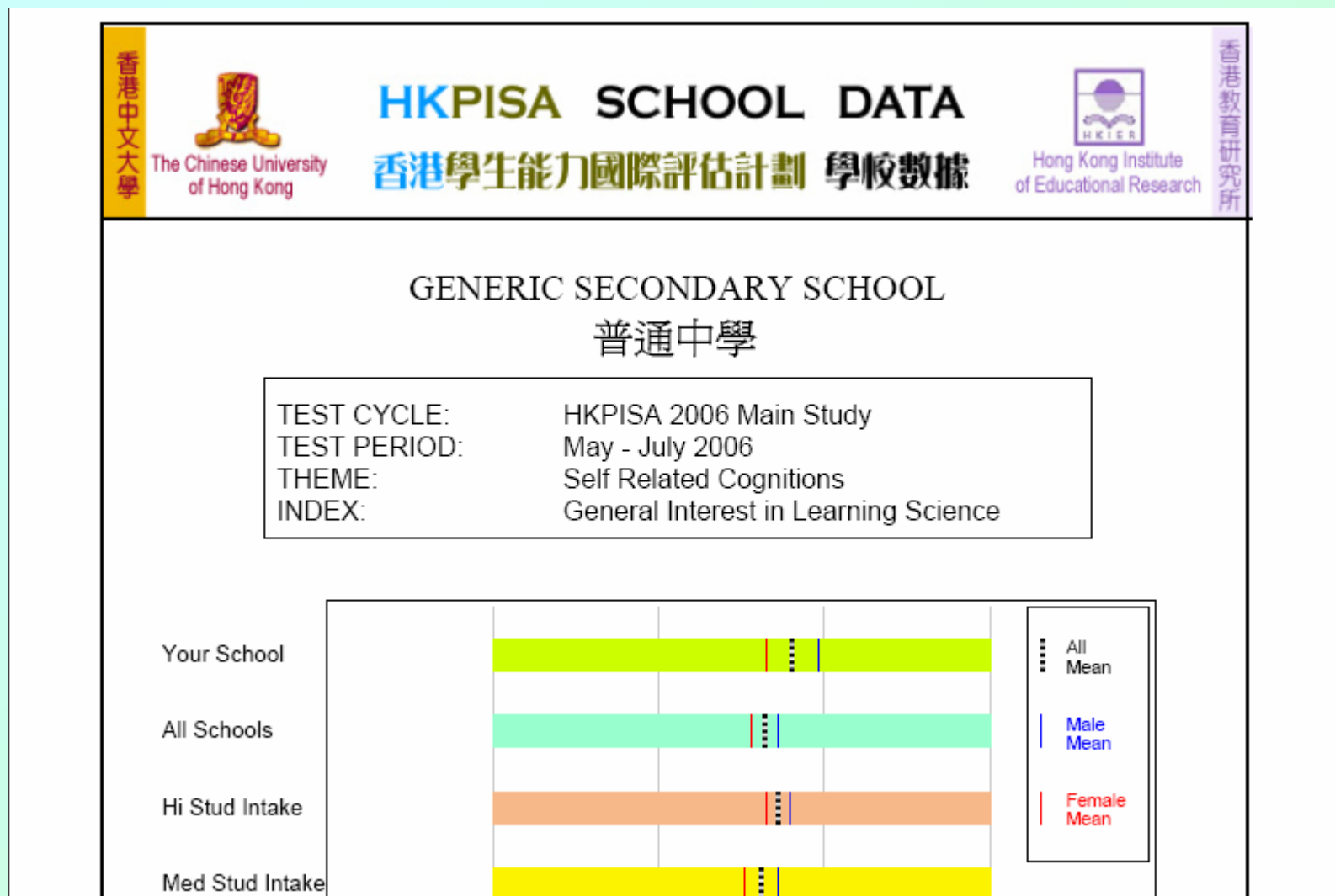
完成　網際網路
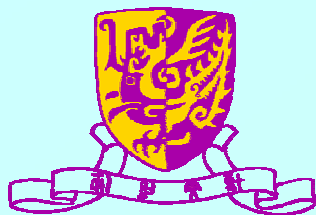
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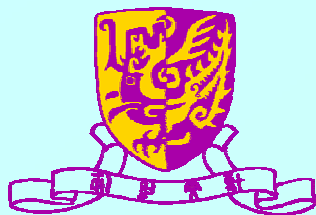## Hong Kong Centre for International Student Assessment   學生能力國際評估計劃香港中心

HKPISA　SCHOOL　DATA

香港學生能力國際評估計劃　學校數據

香港中文大學　The Chinese University of Hong Kong

Hong Kong Institute of Educational Research　香港教育研究所

GENERIC SECONDARY SCHOOL
普通中學

TEST CYCLE:	HKPISA 2006 Main Study
TEST PERIOD:	May - July 2006
THEME:	Self Related Cognitions
INDEX:	General Interest in Learning Science

Your School

All Schools

Hi Stud Intake

Med Stud Intake

All Mean

Male Mean

Female Mean

HKPISA School Data Enquiry System
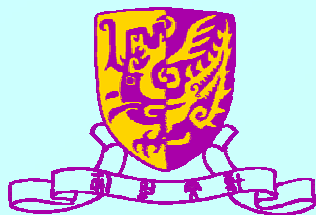
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http://www.fed.cuhk.edu.hk/~hkpisa/sdes

Access to System:

At this stage, schools that participated in HKPISA 2006 Main Study:

- *Provide account information and user guide with School Report*

- *Access HKPISA SDES any time now*

- *Provide access to HKPISA schools of HKPISA 2000+, HKPISA 2003 at later time*

HKPISA School Data Enquiry System

學校數據查閱系統 (SDES)

http://www.fed.cuhk.edu.hk/~hkpisa/sdes

Future Plan:

Implement the following enhancements to our system:

- *Provide schools with datasets for analysis according to own needs*

- *Provide more user-friendly interactive statistical analysis functions*

- *Provide previous cycles (PISA 2000, PISA 2003) data*

- *Provide longitudinal studies / trend analysis across cycles*

PISA 2006

Thank you!

2000+…2003 …HKPISA 2006 …

請支持 PISA 2009 …