

eAssessment: Improve Learning Effectiveness

(智用電子評估 · 提升學習效能)

Online Question Bank



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St. Francis Xavier's College



Overview

Online Question Bank (OQB) is an online learning platform designed to facilitate 'Assessment for Learning' .

OQB has been partnering with Hong Kong Examinations and Assessment Authority (HKEAA) since 2009 as well as content providers to enrich its question base continuously.

▶ Question Bank with Rich Contents

▶ Diverse Functions

▶ Detailed Evaluation Reports



How teachers use it...

回收	試卷標題	開始時間	結束時間
	Wave Motion revision	17 Sep 2018 18:29	30 Apr 2019 00:00 
	Mechanics revision 2013-17	23 Oct 2018 07:52	27 Nov 2018 15:59
	Astronomy revision	30 Oct 2018 16:32	27 Nov 2018 00:00
	Mechanics revision <2013	23 Oct 2018 15:58	27 Nov 2018 00:00
	Astronomy revision	30 Oct 2018 16:29	27 Nov 2018 00:00
	Radioactivity revision	07 Nov 2018 09:05	27 Nov 2018 00:00
	E & M revision	24 Sep 2018 12:42	03 Oct 2018 00:00
	Heat & Gases revision	10 Sep 2018 18:36	02 Oct 2018 00:00

刪除	試卷標題	來源	更新時間	試卷
	Radioactivity revision	自己	04 Dec 2018 18:00	分派 分享
	Astronomy revision	自己	30 Oct 2018 16:31	分派 分享
	Mechanics revision 2013-17	自己	23 Oct 2018 07:52	分派 分享
	E & M revision	自己	24 Sep 2018 12:42	分派 分享
	Wave Motion revision	自己	17 Sep 2018 18:29	分派 分享
	Wave Motion revision	自己	17 Sep 2018 18:28	分派 分享
	Heat & Gases revision	自己	10 Sep 2018 18:35	分派 分享
	F6 Mech Revision	自己	10 Sep 2018 18:30	分派 分享
	F5 Astronomy	凌子陽	07 Sep 2018 18:53	分派 分享
	F5 Mechanics	凌子陽	07 Sep 2018 18:51	分派 分享

How students use it...

網上試題學習平台
Online Question Bank

Physics
Wave Motion revision
(Exercise)

Information

Description	All types
Author	Chi Yeung Ling
Date	From 17/09/2018 To 30/04/2019
No. of Questions	60

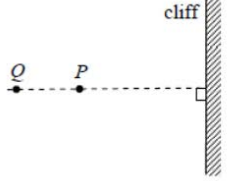
[Start](#)

網上試題學習平台
Online Question Bank

Question 1 / 60

香港考試及評核局
Hong Kong
Examinations and
Assessment Authority

Top view



Astronauts P and Q stand at 400 m and 600 m respectively from a vertical cliff on the surface of a planet. The figure shows the top view. P claps his hands once and Q hears two clapping sounds separated by 4 s. What is the speed of sound in the atmosphere of this planet?

A. 250 m s⁻¹

B. 100 m s⁻¹

C. 200 m s⁻¹

D. 150 m s⁻¹

[Show Answer](#)

1.
2.
3.
4.
5.
6.
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9.
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16.
17.

[Submit](#)



Questions categorized by

1. Subject
2. Topic
3. Level of difficulty
4. Year
5. Different test modes

Physics

Please select topics

- All Topics (801)
- Heat & Gases(61)
- Force and Motion(169)
- Wave Motion(144)
- Electricity and ...(158)
- Radioactivity an...(46)
- Astronomy and Sp...(56)
- Atomic World(56)
- Energy and Use o...(55)
- Medical Physics(56)

All Authors

- All Authors
- HKEAA

Level of Difficulty

Easy Normal Hard

Language

Chinese English Bilingual

30 questions

Close

- Exclude Attempted Questions
- Exclude Practice Paper Questions
- NSS Non-NSS

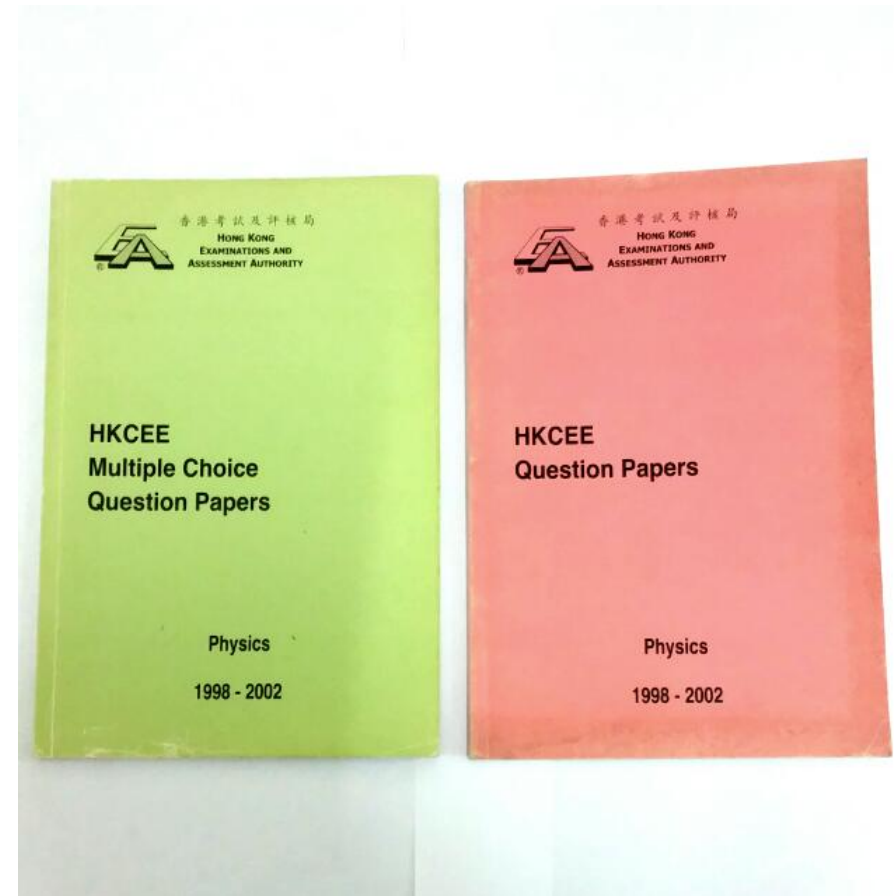
All Years

All Sub Topics

- All Sub Topics
- Temperature, heat and internal energy
- Transfer processes
- Change of state
- Gases
- Position and movement
- Force and motion
- Projectile motion
- Work, energy and power
- Momentum

Motivation

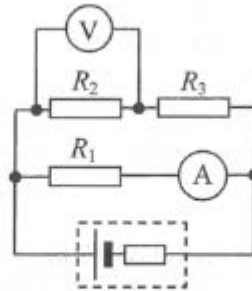
1. Difficulties in disseminating the Pastpapers to students



Motivation

2. Difficulties in **assigning** the Pastpapers Qs to students

26. In the following circuit, the cell has a finite internal resistance and both meters are ideal.



In which situation below will the readings of the ammeter and the voltmeter suddenly increase ?

- A. R_1 is faulty and becomes a short circuit.
- B. R_2 is faulty and becomes a short circuit.
- C. R_3 is faulty and becomes a short circuit.
- D. R_2 is faulty and becomes an open circuit.

From HKEAA HKDSE Physics 2018 Part 1A Q.26

Motivation

3. Students prefer **electronic version** than paper version

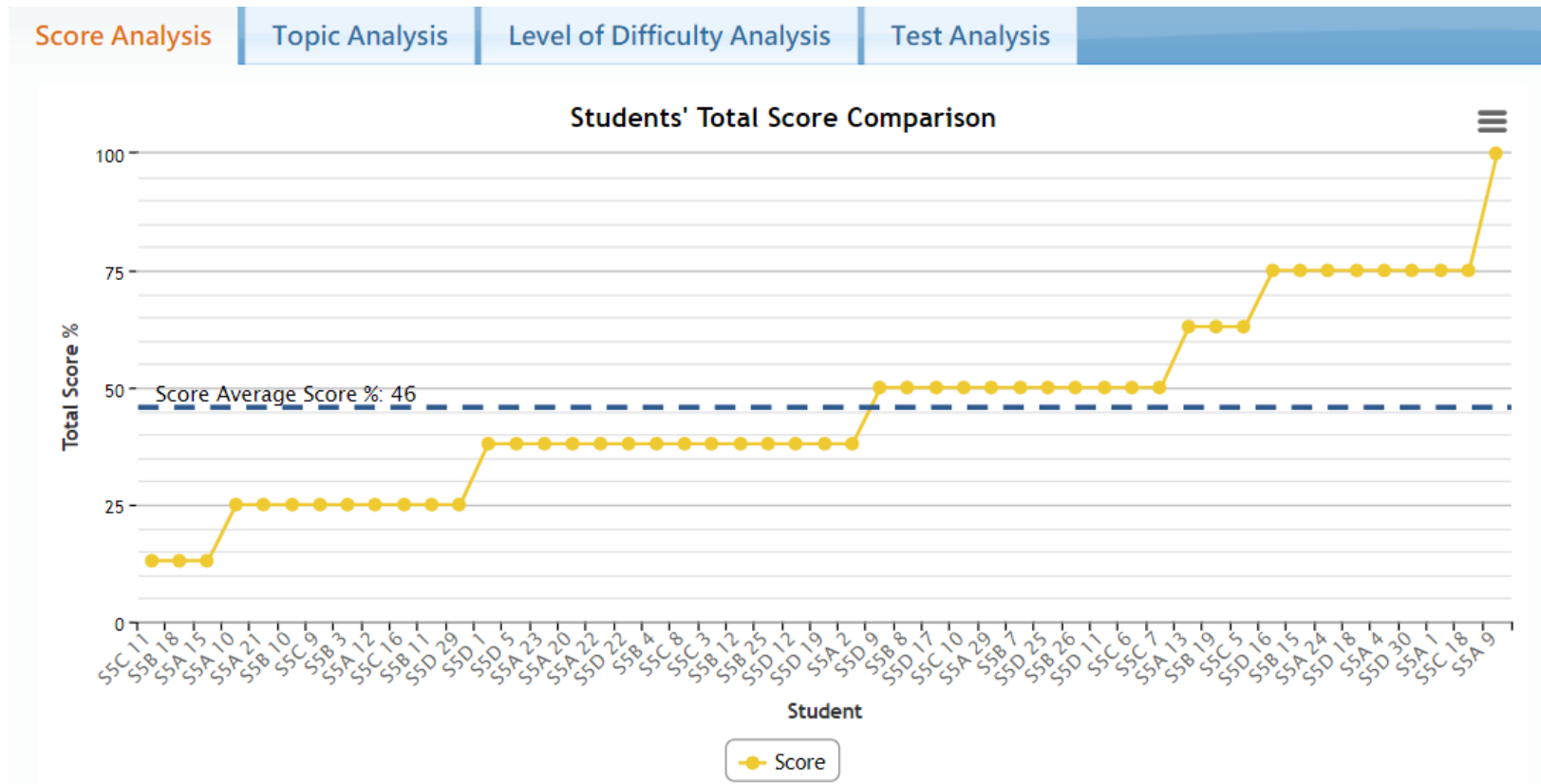


<https://blogs.library.ucsf.edu/inplainsight/category/citation-management>

Detailed Analysis & Clear Reports

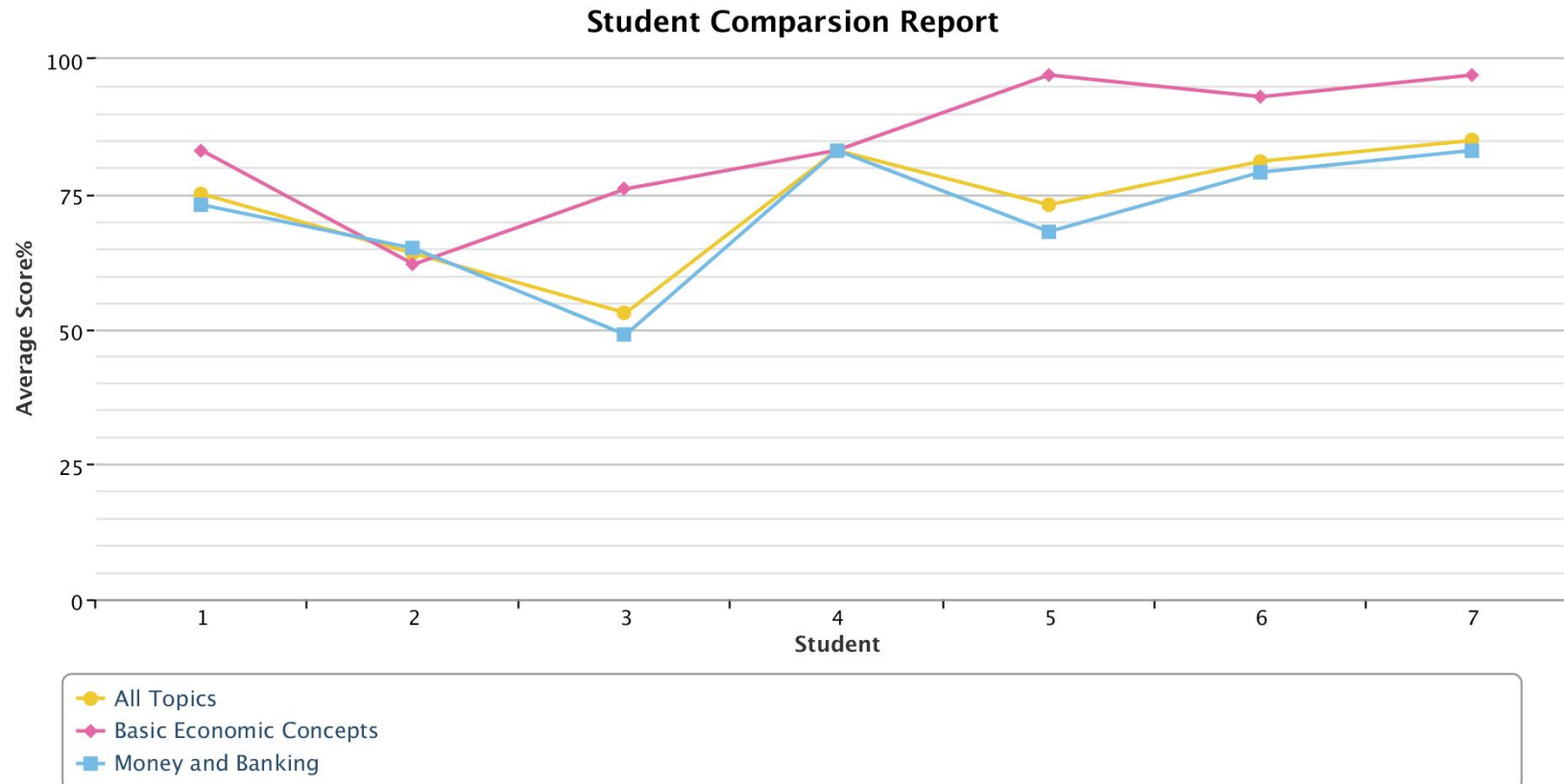
What can be done?

1. Analyze overall learning progress



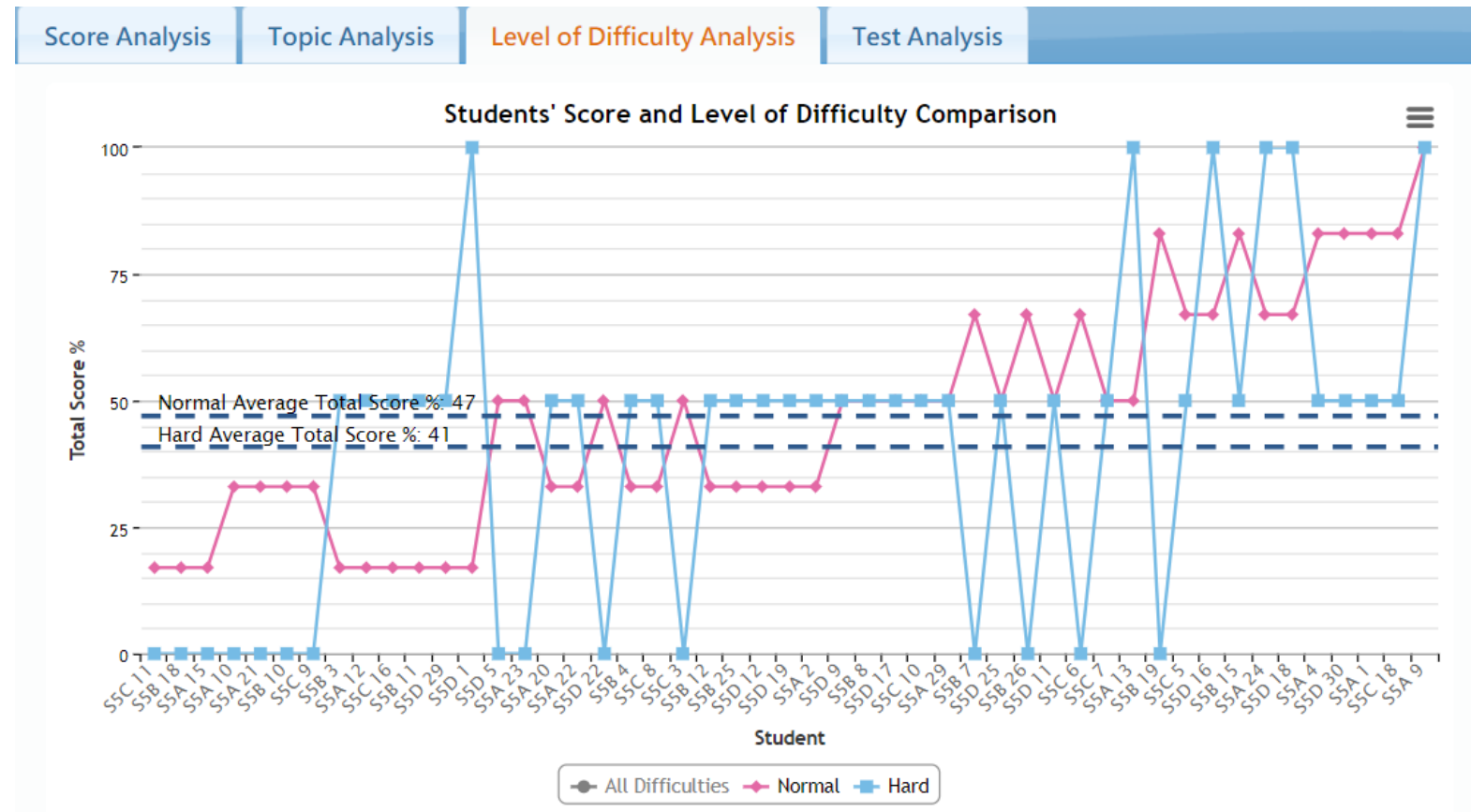
What can be done?

1. Analyze overall learning progress



What can be done?

2. Understand students' performance on different topics



What can be done?

2. Understand students' performance on different topics

Score Analysis | Topic Analysis | Level of Difficulty Analysis | **Test Analysis**

Back to question list | View Question: 1

Question: 1 / 33

Information

Author: HKEAA
Difficulty: Normal
Topic: Heat & Gases
Sub Topic:
Remarks: 2017 No.3 NSS questions

Which of the following statements about the internal energy of a substance are correct ?

- (1) When a solid melts, the latent heat of fusion absorbed becomes potential energy of the molecules in the substance.
- (2) When a vapour condenses, its internal energy decreases.
- (3) When a liquid evaporates, the internal energy of the remaining liquid increases.

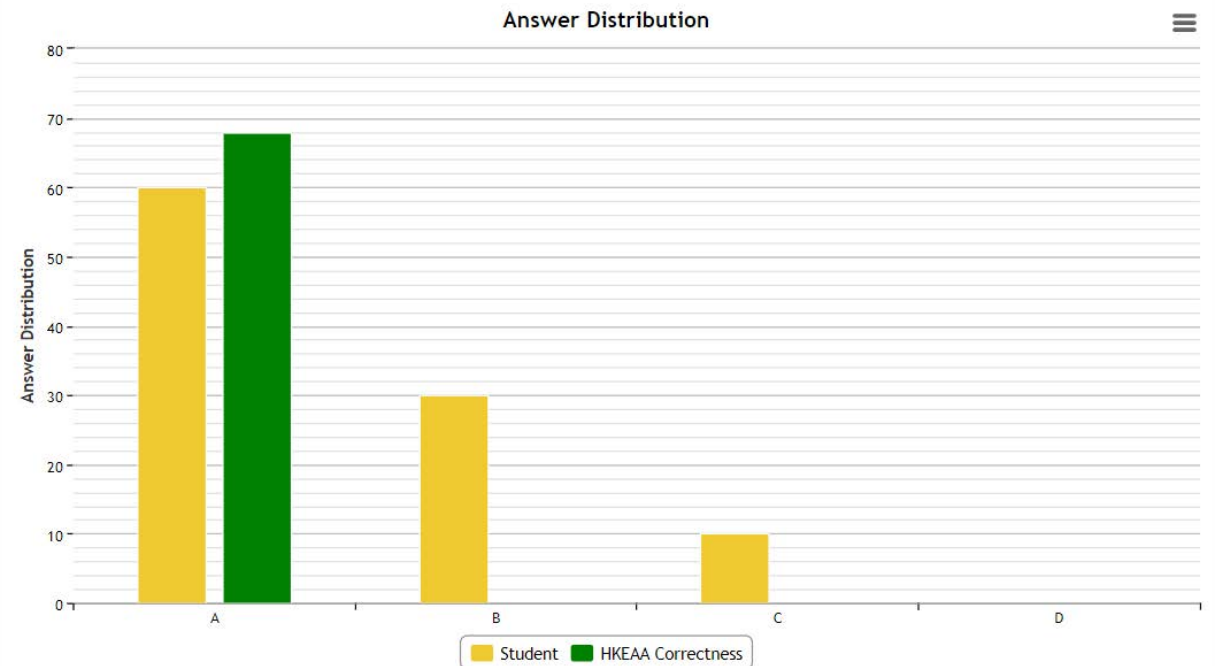
Answer

A. (1) and (2) only

B. (1) and (3) only

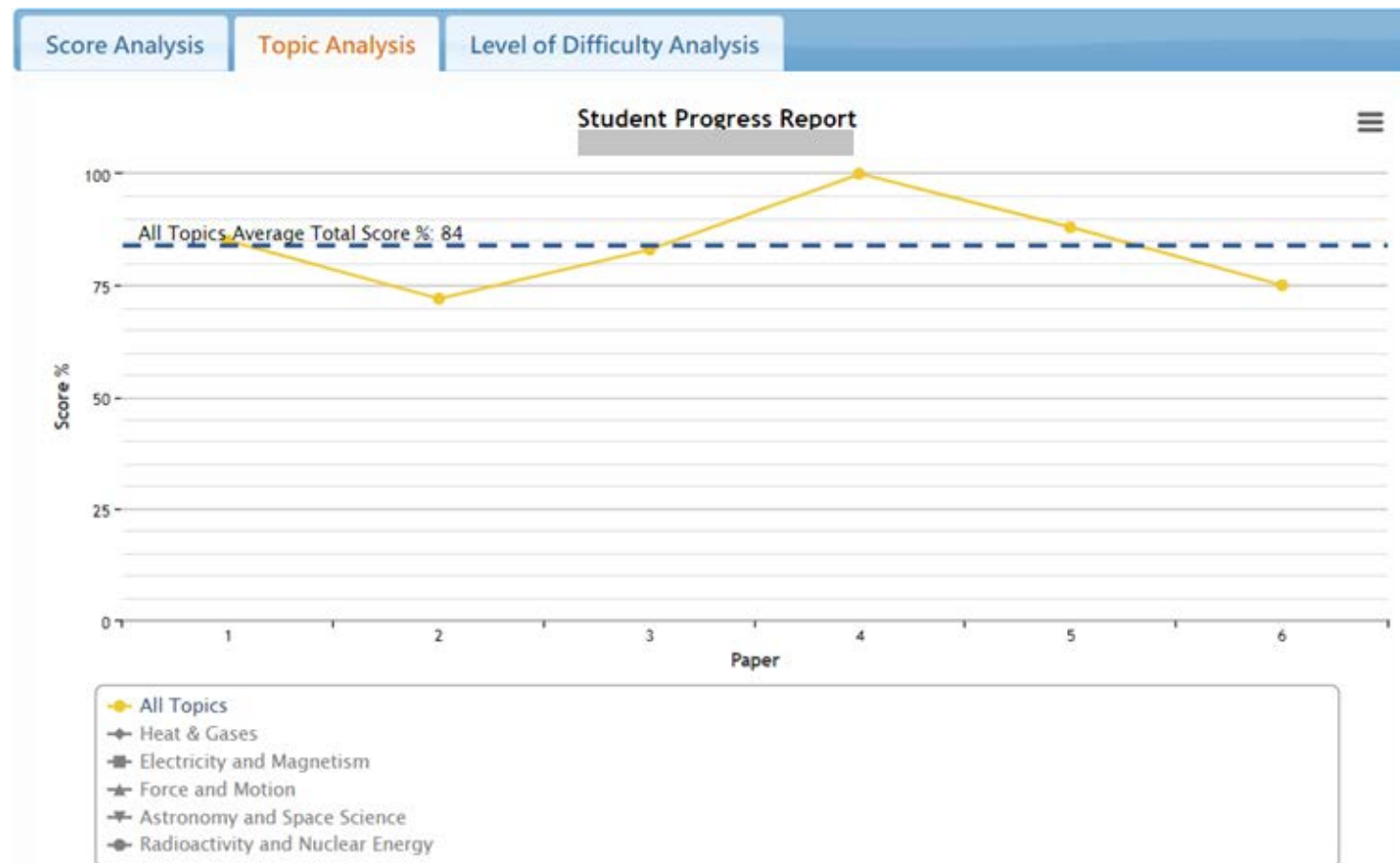
C. (2) and (3) only

D. (1), (2) and (3)



What can be done?



2. Understand students' performance on different topics





Some practices to share...

- Perfect for holiday assignments

 Summer Quiz: Book 2 Mechanics Ch.5-7
 F4 Easter Quiz: Book 2 Mechanics Ch.1-3

Start Time ↕	End Time ▾
17 Sep 2018 18:29	30 Apr 2019 00:00 
23 Oct 2018 07:52	27 Nov 2018 15:59
30 Oct 2018 16:32	27 Nov 2018 00:00
23 Oct 2018 15:58	27 Nov 2018 00:00
30 Oct 2018 16:29	27 Nov 2018 00:00
07 Nov 2018 09:05	27 Nov 2018 00:00
24 Sep 2018 12:42	03 Oct 2018 00:00
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Some practices to share...

- Effective for drilling on Qs in specific topics

Physics

Please select topics ▼

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All Years ▼

All Sub Topics ▼

- All Sub Topics
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- Transfer processes
- Change of state
- Gases
- Position and movement
- Force and motion
- Projectile motion
- Work, energy and power
- Momentum

Some practices to share...

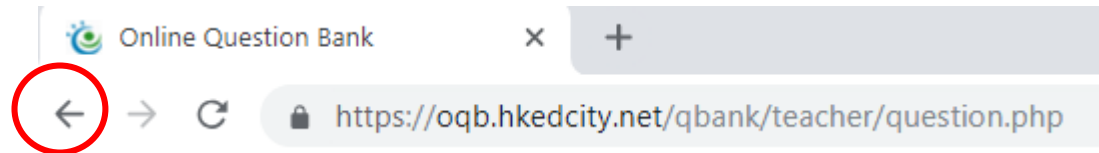
- Ideal for analyzing students' strengths and weaknesses on specific topics during F.6 revision period / study leave period

Some practices to share...

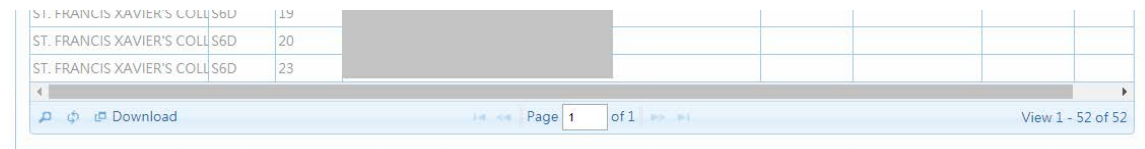
- Less effort in preparing remedial class materials

“Tips” for using OQB

- Test <-> Exercise
- Don't click “go back” button of the browser



- Find other button to click in the website, eg “Close”, “Back”



ST. FRANCIS XAVIER'S COLL S6D	19								
ST. FRANCIS XAVIER'S COLL S6D	20								
ST. FRANCIS XAVIER'S COLL S6D	23								

Page 1 of 1 View 1 - 52 of 52

Back

- Don't assign to many Qs in a test / exercise
- Develop an atmosphere on online learning