

TASA 英語科國中、小段正式施測

題目部分釋出

壹、臺灣學生學習成就評量資料庫簡介

一、背景與目的

為了加入世界各國教育改革之行列，政府近年來致力於推動教育改革，期以整體提升國民之素質及國家競爭力，為適應時代變遷與學生身心發展需要，各級學校教育課程應隨時改進。

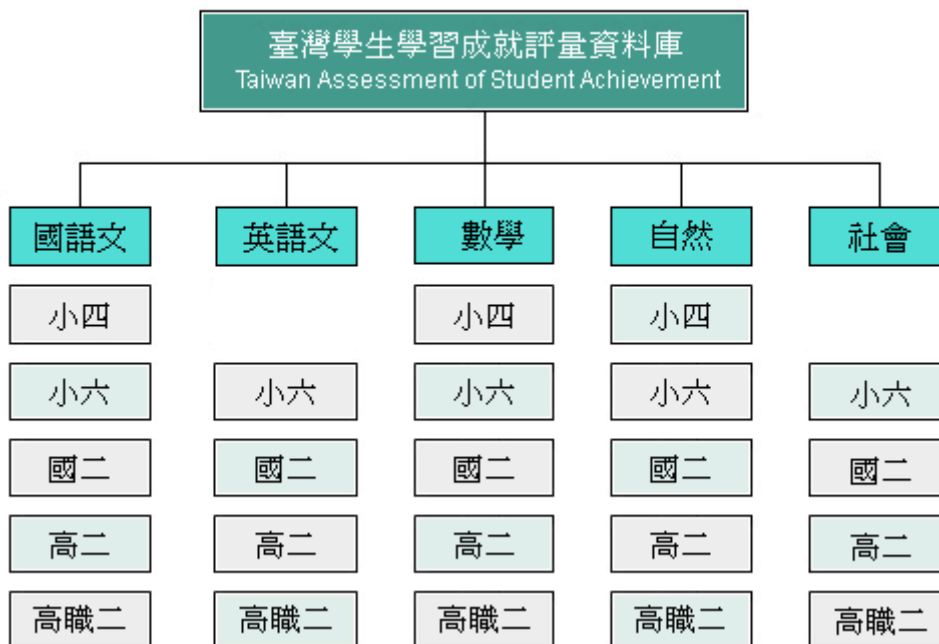
「九年一貫課程」是近年來教育部大力推動的政策，希望藉此教育政策之落實，改善傳統教育，將教育水準提升到另一個境界。然而，全國各級學校學生之學習成效如何？國內長期缺乏各級學校學生量化指標和標準化測量工具來檢視學生學習成就的表現及其差異，也無跨年段、跨學科之學生學習成就長期性的資料庫，可提供國內專家學者或學術單位進行基礎性研究，以致無法確實瞭解課程實施的成效，亦不利於課程發展之進行與相關教育政策之研擬。因此，2004年4月20日教育部國民中小學九年一貫課程推動工作小組第43次會議決議：「有關學生學習成就調查是本部研訂課程與教學政策之重要參據，有必要進行常態性之資料建立。請國立教育研究院籌備處約集研究發展中心與中研院共同規劃之。」教育部乃於2004年5月函請國立教育研究院籌備處（2007年8月26日更名為國家教育研究院籌備處）針對臺灣學生學習成就建立常態性之資料庫，作為教育部研訂課程與教學政策之重要參據。國家教育研究院籌備處乃邀集相關單位、人員提出「臺灣學生學習成就評量資料庫」建置計畫。

本研究結合國內大學院校、學術研究機構等學者專家之學術專長以及資深教師的經驗，建置臺灣地區國小四年級、國小六年級、國中二年級、高中二年級與高職二年級學生學習成就評量資料庫。其主要目的如下：

- (一) 建立國民中小學、高中及高職學生學習成就長期資料庫，以分析學生在學習上變遷之趨勢，進而檢視目前課程與教學實施成效。
- (二) 提供完整、標準化的學習成就資料，作為分析學生學習成就上差異表現變項資料，以評估學生未來在學術方面能力之發展與社會期許。
- (三) 瞭解國內學校教學及學生學習成效之現況，作為課程與教學政策改進之參考。
- (四) 以資料庫的量化資料，提供國內外相關研究人員，深入探討學生學習成就方面的相關政策議題。

二、 資料庫設計內容

資料庫設計內涵採分年建置的整體規劃方式進行。資料庫建置主要以學科屬性劃分，包含國語文、英語文、數學、自然與社會五個科目（不含小四英語文及社會），再依其教育階段分為國小四年級、國小六年級、國中二年級、高中（職）二年級。建置架構如下圖：



本研究依據國民中小學九年一貫課程綱要及高中（職）課程綱要內涵，並參

考各版本教科書內容及國際試題，發展標準化成就測驗工具。每一學科依其學科領域考量不同測驗內容及題型，國語文科增加作文測驗，英語文科增加寫說測驗。除發展各學科領域測驗評量工具，亦編製學生共同問卷，以蒐集影響學生學習成就相關因素之資料。

貳、試題品質分析變項說明

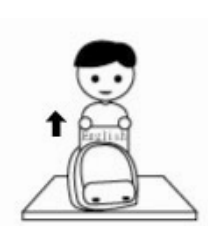


- 一、科別：包含國語文、英語文、數學、自然、社會五科。
- 二、年級：包含小四、小六、國二、高二、高職二五個類別，代號分別為4、6、8、11A、11B。
- 三、題本、題號：試題在原施測時所屬的題本及題號。
- 四、主題：試題所屬課程綱要中的內容主題。
- 五、能力指標：試題所對應的能力指標。
- 六、認知向度（層次）：各科別界定試題所屬的認知向度（層次）。
- 七、試題反應理論（IRT）試題參數：
 - (1)鑑別度 a ： a 愈高表示鑑別度愈好， a 值通常介於 0.5 ~ 2 之間。
 - (2)難度 b ： b 值愈高表示試題難度愈難，答對人數愈少， b 值通常在 -3 ~ 3 之間。
 - (3)猜測度 c ： c 值愈高表示學生猜對的機率愈大，題目為 4 選 1 的選擇題， c 值的理論值是 0.25，如果是 3 選 1 的選擇題， c 值的理論值是 0.33。
- 八、古典測驗理論（CTT）試題參數：
 - (1)通過率(p)：
$$p = \frac{\text{答對人數}}{\text{施測人數}} \times 100\%$$
試題通過率愈高，表示愈多考生答對此試題，也就是試題愈容易。
 - (2)鑑別度(D)：
$$D = p_H - p_L$$
 p_H ：高分組通過率 p_L ：低分組通過率
試題鑑別度愈高，表示試題愈能有效區別能力不同的學生，也就是試題的品質愈佳。
- 九、試題分析：試題分析提供教師或命題人員了解此題在測驗的內容及認知層次，並依據試題參數提供內容回饋的訊息。
- 十、教學建議：依據試題內容的回饋，提供教師在有關此試題測驗的內容或主題關於教學上的建議。

參、試題品質分析

一、六年級正式施測題目試題品質分析


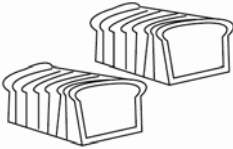

| 科別 | 年級 | | | | | |
|-----------------------|--|---------|------|-------|-------|------------|
| 英語文 | 6 | | | | | |
| 能力指標 | 1-1-3 能聽辨課堂中所習得的詞彙。 | | | | | |
| 認知歷程向度 | 記憶 | | | | | |
| IRT 試題參數 | a = 1.27 b = -0.86 c = 0.14 | | | | | |
| 題目 | <p>【聽到題目】 three, three, three</p> <p>【看到選項】 ① three ② there ③ they</p> | | | | | |
| 古典理論 (CTT) 選項分析 | E01 | | | | | |
| | | | 次數 | 百分比 | 有效百分比 | 累積百分比 |
| | 有效的 | 1 | 3335 | 40.5 | 78.4 | 78.4 |
| | | 2 | 677 | 8.2 | 15.9 | 94.3 |
| | | 3 | 229 | 2.8 | 5.4 | 99.7 |
| | | 9 | 14 | .2 | .3 | 100.0 |
| | | 總和 | 4255 | 51.6 | 100.0 | |
| | 遺漏值 | 系統界定的遺漏 | 3986 | 48.4 | | |
| | | 總和 | 8241 | 100.0 | | |
| | 選 項 | 1* | 2 | 3 | 其他 | |
| 選項率 | .78 | .16 | .05 | .00 | .00 | 通過率：78.378 |
| 高分組 | .99 | .01 | .00 | .00 | .00 | |
| 低分組 | .40 | .40 | .19 | .01 | .01 | 鑑別度：0.5936 |

| | | | | | | |
|-----------------------|---|---------|------|-------|-------|------------|
| 科別 | 年級 | | | | | |
| 英語文 | 6 | | | | | |
| 能力指標 | 1-1-2 能聽辨英語的語音。 | | | | | |
| 認知歷程向度 | 記憶 | | | | | |
| IRT 試題參數 | a = 0.74 b = -0.96 c = 0.33 | | | | | |
| 題目 | <p>【聽到單字】 show, show, show</p> <p>【看到題目與選項】 __ __ow ① ch ② sh ③ sl</p> | | | | | |
| 古典理論 (CTT) 選項分析 | E27 | | | | | |
| | | | 次數 | 百分比 | 有效百分比 | 累積百分比 |
| | 有效的 | 1 | 147 | 1.8 | 3.7 | 3.7 |
| | | 2 | 3245 | 39.4 | 81.4 | 85.1 |
| | | 3 | 586 | 7.1 | 14.7 | 99.8 |
| | | 9 | 8 | .1 | .2 | 100.0 |
| | | 總和 | 3986 | 48.4 | 100.0 | |
| | 遺漏值 | 系統界定的遺漏 | 4255 | 51.6 | | |
| | | 總和 | 8241 | 100.0 | | |
| | 選 項 | 1 | 2* | 3 | 其他 | |
| 選項率 | .04 | .81 | .15 | .00 | .00 | 通過率：81.410 |
| 高分組 | .00 | .99 | .01 | .00 | .00 | |
| 低分組 | .12 | .58 | .29 | .01 | .00 | 鑑別度：0.4066 |

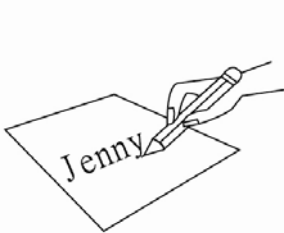
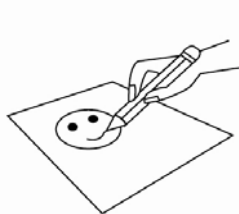

| 科別 | 年級 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|------|-------|-------|-------|-------|-------|-----|---|------|------|------|------|---|------|------|------|------|---|-----|-----|------|------|---|----|----|----|-------|--|----|------|------|-------|--|-----|---------|------|------|--|--|----|--|------|-------|--|--|--|--|--|--|--|
| 英語文 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 能力指標 | 1-1-8 能聽懂簡單的句子。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 認知歷程向度 | 理解 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IRT 試題參數 | a = 1.70 b = 0.03 c = 0.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 題目 | <p>【聽到題目】 Take out your book. 【看到圖片】</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">① </div> <div style="text-align: center;">② </div> <div style="text-align: center;">③ </div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 古典理論 (CTT) 選項分析 | E09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 10%;"></th> <th style="width: 15%;">次數</th> <th style="width: 15%;">百分比</th> <th style="width: 15%;">有效百分比</th> <th style="width: 15%;">累積百分比</th> </tr> </thead> <tbody> <tr> <td rowspan="4">有效的</td> <td>1</td> <td>2471</td> <td>30.0</td> <td>58.1</td> <td>58.1</td> </tr> <tr> <td>2</td> <td>1233</td> <td>15.0</td> <td>29.0</td> <td>87.1</td> </tr> <tr> <td>3</td> <td>541</td> <td>6.6</td> <td>12.7</td> <td>99.8</td> </tr> <tr> <td>9</td> <td>10</td> <td>.1</td> <td>.2</td> <td>100.0</td> </tr> <tr> <td></td> <td>總和</td> <td>4255</td> <td>51.6</td> <td>100.0</td> <td></td> </tr> <tr> <td>遺漏值</td> <td>系統界定的遺漏</td> <td>3986</td> <td>48.4</td> <td></td> <td></td> </tr> <tr> <td>總和</td> <td></td> <td>8241</td> <td>100.0</td> <td></td> <td></td> </tr> </tbody> </table> | | | 次數 | 百分比 | 有效百分比 | 累積百分比 | 有效的 | 1 | 2471 | 30.0 | 58.1 | 58.1 | 2 | 1233 | 15.0 | 29.0 | 87.1 | 3 | 541 | 6.6 | 12.7 | 99.8 | 9 | 10 | .1 | .2 | 100.0 | | 總和 | 4255 | 51.6 | 100.0 | | 遺漏值 | 系統界定的遺漏 | 3986 | 48.4 | | | 總和 | | 8241 | 100.0 | | | | | | | |
| | | | | 次數 | 百分比 | 有效百分比 | 累積百分比 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 有效的 | 1 | 2471 | 30.0 | 58.1 | 58.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | 1233 | 15.0 | 29.0 | 87.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 541 | | 6.6 | 12.7 | 99.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 10 | | .1 | .2 | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 總和 | 4255 | 51.6 | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 遺漏值 | 系統界定的遺漏 | 3986 | 48.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 總和 | | 8241 | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 選 項 1* 2 3 其他 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 選項率 .58 .29 .13 .00 .00 通過率：58.073 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 高分組 .98 .02 .00 .00 .00 低分組 .18 .56 .26 .00 .00 鑑別度：0.8034 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|-----------------------|---|---------|------|-------|-------|------------|
| 科別 | 年級 | | | | | |
| 英語文 | 6 | | | | | |
| 能力指標 | 1-1-8 能聽懂簡單的句子。 | | | | | |
| 認知歷程向度 | 理解 | | | | | |
| IRT 試題參數 | a = 2.78 b = 0.41 c = 0.23 | | | | | |
| 題目 | <p>【聽到題目】 I can't find my hat. Where is it, do you know?</p> <p>【聽到並看到選項】 ① It's in your car. ② It is white. ③ It's very hot.</p> | | | | | |
| 古典理論 (CTT) 選項分析 | E13 | | | | | |
| | | 次數 | 百分比 | 有效百分比 | 累積百分比 | |
| | 有效的 | 1 | 2016 | 24.5 | 47.4 | |
| | | 2 | 521 | 6.3 | 59.6 | |
| | | 3 | 1705 | 20.7 | 99.7 | |
| | | 9 | 13 | .2 | 100.0 | |
| | 總和 | | 4255 | 51.6 | 100.0 | |
| | 遺漏值 | 系統界定的遺漏 | 3986 | 48.4 | | |
| | 總和 | | 8241 | 100.0 | | |
| | 選 項 | 1* | 2 | 3 | 其他 | |
| 選項率 | .47 | .12 | .40 | .00 | .00 | 通過率：47.380 |
| 高分組 | .96 | .01 | .03 | .00 | .00 | |
| 低分組 | .20 | .21 | .59 | .00 | .00 | 鑑別度：0.7676 |

| 科別 | 年級 | | | | |
|----------|--|------|-------|-------|-------------------|
| 英語文 | 6 | | | | |
| 能力指標 | 1-1-9 能聽懂簡易的日常生活對話。 | | | | |
| 認知歷程向度 | 理解 | | | | |
| IRT 試題參數 | a = 1.96 b = 0.22 c = 0.23 | | | | |
| 題目 | <p>【聽到題目】(男) Mom, I' m hungry. Can I have some cake? (女) No, not now. Dinner is ready.</p> <p>【聽到問題】 Why can' t the boy eat cake now?</p> <p>【聽到並看到選項】</p> <p>① He is not hungry. ② It' s time for dinner. ③ His mother can' t make a cake.</p> | | | | |
| | E39 | | | | |
| | | 次數 | 百分比 | 有效百分比 | 累積百分比 |
| 有效的 | 1 | 550 | 6.7 | 13.8 | 13.8 |
| | 2 | 2291 | 27.8 | 57.5 | 71.3 |
| | 3 | 1139 | 13.8 | 28.6 | 99.8 |
| | 9 | 6 | .1 | .2 | 100.0 |
| | 總和 | 3986 | 48.4 | 100.0 | |
| 遺漏值 | 系統界定的遺漏 | 4255 | 51.6 | | |
| 總和 | | 8241 | 100.0 | | |
| ----- | | | | | |
| 選 項 | 1 | 2* | 3 | 其他 | |
| ----- | | | | | |
| 選項率 | .14 | .57 | .29 | .00 | .00 通過率：57.476 |
| ----- | | | | | |
| 高分組 | .00 | .98 | .02 | .00 | .00 |
| 低分組 | .37 | .22 | .41 | .00 | .00 鑑別度：0.7651 |
| ----- | | | | | |

| 科別 | 年級 | | | | |
|-----------------------|--|---------|------|-------|-------------------|
| 英語文 | 6 | | | | |
| 能力指標 | 3-1-2 能辨識課堂中習得的詞彙。 | | | | |
| 認知歷程向度 | 記憶 | | | | |
| IRT 試題參數 | a = 1.99 b = -0.26 c = 0.21 | | | | |
| 題目 | <p>【看到題目】 bread</p> <p>【看到選項】</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>①</p>  </div> <div style="text-align: center;"> <p>②</p>  </div> <div style="text-align: center;"> <p>③</p>  </div> </div> | | | | |
| 古典理論 (CTT) 選項分析 | E57 | | | | |
| | | 次數 | 百分比 | 有效百分比 | 累積百分比 |
| | 有效的 | 1 | 265 | 3.2 | 19.3 |
| | | 2 | 929 | 11.3 | 67.8 |
| | | 3 | 175 | 2.1 | 12.8 |
| | | 9 | 2 | .0 | .1 |
| | | 總和 | 1371 | 16.6 | 100.0 |
| | 遺漏值 | 系統界定的遺漏 | | | |
| | 總和 | 6870 | 83.4 | | |
| | | 總和 | 8241 | 100.0 | |
| ----- | | | | | |
| 選 項 | 1 | 2* | 3 | 其他 | |
| ----- | | | | | |
| 選項率 | .19 | .68 | .13 | .00 | .00 通過率：67.761 |
| ----- | | | | | |
| 高分組 | .00 | 1.00 | .00 | .00 | .00 |
| 低分組 | .49 | .20 | .31 | .00 | .00 鑑別度：0.8012 |
| ----- | | | | | |

| 科別 | 年級 | | | | |
|-----------------------|--|------|-------|-------|------------|
| 英語文 | 6 | | | | |
| 能力指標 | 3-1-2 能辨識課堂中習得的詞彙。 | | | | |
| 認知歷程向度 | 記憶 | | | | |
| IRT 試題參數 | a = 1.81 b = -0.53 c = 0.23 | | | | |
| 題目 | <p>【說明】小朋友，下列每題的三個選項中，只有兩個選項在意義上屬於同一種類群。請將不屬於該類群的選項挑出來，並塗在答案卡上。</p> <p>【看到題目】① snow ② rain ③ clock</p> | | | | |
| 古典理論 (CTT) 選項分析 | E44 | | | | |
| | | 次數 | 百分比 | 有效百分比 | 累積百分比 |
| | 有效的 1 | 164 | 2.0 | 12.0 | 12.0 |
| | 2 | 294 | 3.6 | 21.6 | 33.6 |
| | 3 | 895 | 10.9 | 65.7 | 99.3 |
| | 9 | 10 | .1 | .7 | 100.0 |
| | 總和 | 1363 | 16.5 | 100.0 | |
| | 遺漏值 系統界定的遺漏 | 6878 | 83.5 | | |
| | 總和 | 8241 | 100.0 | | |
| | 選 項 | 1 | 2 | 3* | 其他 |
| 選項率 | .12 | .22 | .66 | .01 | 通過率：65.664 |
| 高分組 | .00 | .00 | 1.00 | .00 | |
| 低分組 | .30 | .49 | .19 | .02 | 鑑別度：0.8118 |

| 科別 | 年級 | | | | |
|-----------------------|--|------|-------|-------|---------------------|
| 英語文 | 6 | | | | |
| 能力指標 | 3-1-6 能看懂簡單的句子 | | | | |
| 認知歷程向度 | 記憶 | | | | |
| IRT 試題參數 | a = 1.61 b = -1.19 c = 0.24 | | | | |
| 題目 | <p>【看到題目】 Please write down your name. 【看到選項】</p> <p>①  ②  ③ </p> | | | | |
| 古典理論 (CTT) 選項分析 | E84 | | | | |
| | | 次數 | 百分比 | 有效百分比 | 累積百分比 |
| 有效的 | 1 | 2226 | 27.0 | 81.6 | 81.6 |
| | 2 | 311 | 3.8 | 11.4 | 93.0 |
| | 3 | 186 | 2.3 | 6.8 | 99.8 |
| | 9 | 5 | .1 | .2 | 100.0 |
| | 總和 | 2728 | 33.1 | 100.0 | |
| 遺漏值 | 系統界定的遺漏 | | 5513 | 66.9 | |
| | 總和 | 8241 | 100.0 | | |
| ----- | | | | | |
| 選 項 | 1* | 2 | 3 | 其他 | |
| ----- | | | | | |
| 選項率 | .82 | .11 | .07 | .00 | .00 通過率：81.598 |
| ----- | | | | | |
| 高分組 | 1.00 | .00 | .00 | .00 | .00 |
| 低分組 | .26 | .46 | .27 | .00 | .00 鑑別度：0.7361 |
| ----- | | | | | |

| | | | | | |
|-----------------------|---|------|-------|-------|-------------------|
| 科別 | 年級 | | | | |
| 英語文 | 6 | | | | |
| 能力指標 | 3-1-10 能藉圖畫、書名或上下文做簡易的預測或推論。 | | | | |
| 認知歷程向度 | 理解 | | | | |
| IRT 試題參數 | a = 7.85 b = 0.10 c = 0.21 | | | | |
| 題目 | <p>Today is Tuesday, but Tommy isn' t at school. He is in bed now. He has a bad cold. He has to see a doctor.</p> <p>Where is Tommy now?</p> <p>① At home. ② On the bus. ③ At school.</p> | | | | |
| 古典理論 (CTT) 選項分析 | E101 | | | | |
| | | 次數 | 百分比 | 有效百分比 | 累積百分比 |
| 有效的 | 1 | 2377 | 28.8 | 57.8 | 57.8 |
| | 2 | 450 | 5.5 | 10.9 | 68.7 |
| | 3 | 1268 | 15.4 | 30.8 | 99.6 |
| | 9 | 18 | .2 | .4 | 100.0 |
| | 總和 | 4113 | 49.9 | 100.0 | |
| 遺漏值 | 系統界定的遺漏 | 4128 | 50.1 | | |
| 總和 | | 8241 | 100.0 | | |
| ----- | | | | | |
| 選 項 | 1* | 2 | 3 | 其他 | |
| ----- | | | | | |
| 選項率 | .58 | .11 | .31 | .00 | .00 通過率：57.792 |
| ----- | | | | | |
| 高分組 | 1.00 | .00 | .00 | .00 | .00 |
| 低分組 | .00 | .25 | .74 | .00 | .01 鑑別度：1.0000 |
| ----- | | | | | |
| 試題品質 分析與建議 | <p>試題分析：</p> <p>1. 本題對應能力指標3-1-10，主要測驗學生能否藉圖畫、書名或上下文作簡易的預測或推論。</p> <p>2. 本題通過率只有 57.792%，低於平均通過率 73.05%。高分組學生有 100%皆選擇了正確的答案。而低分組的學生則分別有 74%及 25%選擇了選項 3 及選項 2。</p> | | | | |

3. 值得注意的是低分組學生沒有人選到正確的答案，而高分組的學生皆選到了正確答案，此題之鑑別度為1，是相當好的題目，可充分將高低分組的學生劃分開來，並測出學生的能力。

教學建議：

1. 由此題測驗結果可看出，低分群學生的長篇閱讀能力尚需加強，大部分低分群學生閱讀能力不佳，尚停留在猜測答案的階段，有74%的學生皆忽略篇章內容，只選擇與篇章中出現的相同單字為答案。建議教師在平時教學中，除了課文閱讀能力的要求以外，能多帶入短篇英語故事的閱讀，使學生熟悉篇幅較長的英語篇章，並培養閱讀的興趣，增加閱讀的能力。


| 科別 | 年級 | | | | | |
|-----------------------|---|---------|------|-------|---------|------------|
| 英語文 | 6 | | | | | |
| 能力指標 | 3-1-10 能藉圖畫、書名或上下文做簡易的預測或推論。 | | | | | |
| 認知歷程向度 | 理解 | | | | | |
| IRT 試題參數 | a = 5.43 b = 0.37 c = 0.25 | | | | | |
| 題目 | Today is Tuesday, but Tommy isn' t at school. He is in bed now. He has a bad cold. He has to see a doctor. | | | | | |
| | Why is Tommy in bed now? ① It' s very cold today. ② He is sick. ③ It' s Sunday today. | | | | | |
| 古典理論 (CTT) 選項分析 | E102 | | | | | |
| | | | 次數 | 百分比 | 有效百分比 | 累積百分比 |
| | 有效的 | 1 | 1432 | 17.4 | 34.8 | 34.8 |
| | | 2 | 2189 | 26.6 | 53.2 | 88.0 |
| | | 3 | 462 | 5.6 | 11.2 | 99.3 |
| | | 9 | 30 | .4 | .7 | 100.0 |
| | | 總和 | 4113 | 49.9 | 100.0 | |
| | 遺漏值 | 系統界定的遺漏 | 4128 | 50.1 | | |
| | | 總和 | 8241 | 100.0 | | |
| | | 選 項 | 1 | 2* | 3 | 其他 |
| | 選項率 | .35 | .53 | .11 | .00 .01 | 通過率：53.221 |
| | 高分組 | .00 | 1.00 | .00 | .00 .00 | |
| | 低分組 | .77 | .00 | .21 | .00 .02 | 鑑別度：1.0000 |
| 試題品質 分析與建議 | <p>試題分析：</p> <p>1. 本題對應能力指標3-1-10，主要測驗學生能否藉圖畫、書名或上下文作簡易的預測或推論。</p> <p>2. 本題通過率只有 53.221%，低於平均通過率 73.05%。高分組學生有 100%皆選擇了正確的答案。而低分組的學生則分別有 77%及 21%選擇了選項 1 及選項 3。</p> | | | | | |

3. 值得注意的是低分組學生沒有人選到正確的答案，而高分組的學生皆選到了正確答案，此題之鑑別度為1，是相當好的題目，可充分將高低分組的學生劃分開來，並測出學生的能力。

教學建議：

1. 由此題測驗結果可看出，低分群學生的長篇閱讀能力尚需加強，大部分低分群學生閱讀能力不佳，尚停留在猜測答案的階段，有77%的學生皆忽略篇章內容，只選擇與篇章中出現的相同單字為答案。建議教師在平時教學中，除了課文閱讀能力的要求以外，能多帶入短篇英語故事的閱讀，使學生熟悉篇幅較長的英語篇章，並培養閱讀的興趣，增加閱讀的能力。



二、八年級正式施測題目試題品質分析



| 科別 | 年級 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|-----|------|-----|-----|------------|--|-----|-----|-----|-----|-----|-----|------------|-----|-----|-----|------|-----|-----|--|-----|-----|-----|-----|-----|-----|------------|
| 英語文 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 能力指標 | 5-2-1 畢業時，學生應至少學會一千二百個字詞，並能應用於聽、說、讀、寫的溝通中。 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 認知歷程向度 | 記憶 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IRT 試題參數 | a=1.95 b=-0.04 c=0.24 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 題目 | <p>【聽到題目與選項】：每題播出兩遍 Where might you see this sign?</p> <p><input type="checkbox"/> In a public park. <input type="checkbox"/> At a bus stop. <input type="checkbox"/> In a museum.</p> <p>【看到圖片】</p>  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 古典理論 (CTT) 選項分析 | <table border="1"> <thead> <tr> <th>選 項</th> <th>1</th> <th>2</th> <th>3*</th> <th>其他</th> <th></th> </tr> </thead> <tbody> <tr> <td>選項率</td> <td>.24</td> <td>.11</td> <td>.65</td> <td>.00</td> <td>.00</td> <td>通過率:64.883</td> </tr> <tr> <td>高分組</td> <td>.00</td> <td>.00</td> <td>1.00</td> <td>.00</td> <td>.00</td> <td></td> </tr> <tr> <td>低分組</td> <td>.55</td> <td>.31</td> <td>.13</td> <td>.01</td> <td>.00</td> <td>鑑別度:0.8738</td> </tr> </tbody> </table> | 選 項 | 1 | 2 | 3* | 其他 | | 選項率 | .24 | .11 | .65 | .00 | .00 | 通過率:64.883 | 高分組 | .00 | .00 | 1.00 | .00 | .00 | | 低分組 | .55 | .31 | .13 | .01 | .00 | 鑑別度:0.8738 |
| 選 項 | 1 | 2 | 3* | 其他 | | | | | | | | | | | | | | | | | | | | | | | | |
| 選項率 | .24 | .11 | .65 | .00 | .00 | 通過率:64.883 | | | | | | | | | | | | | | | | | | | | | | |
| 高分組 | .00 | .00 | 1.00 | .00 | .00 | | | | | | | | | | | | | | | | | | | | | | | |
| 低分組 | .55 | .31 | .13 | .01 | .00 | 鑑別度:0.8738 | | | | | | | | | | | | | | | | | | | | | | |
| 試題品質 分析與建議 | <p>試題分析：</p> <p>1. 本題考的是日常生活中可見的表示 (sign)，符合實際化、生活化的原則，屬於基本常用的溝通能力。</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 科別 | 年級 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|------|-----|-----|-----|------------|--|-----|-----|-----|-----|-----|-----|------------|-----|-----|------|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|------------|
| 英語文 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 能力指標 | 5-2-1 畢業時，學生應至少學會一千二百個字詞，並能應用於聽、說、讀、寫的溝通中。 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 認知歷程向度 | 了解 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IRT 試題參數 | a=1.97 b= 0.17 c=0.32 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 題目 | <p>【聽到題目】：每題播出兩遍 How often does the bus run to the station?</p> <p>【看到選項】</p> <p>① It takes me two hours. ② Every twenty minutes. ③ I take the bus every day.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 古典理論 (CTT) 選項分析 | <table border="1"> <thead> <tr> <th>選 項</th> <th>1</th> <th>2*</th> <th>3</th> <th>其他</th> <th></th> </tr> </thead> <tbody> <tr> <td>選項率</td> <td>.13</td> <td>.64</td> <td>.22</td> <td>.00</td> <td>.00</td> <td>通過率:64.153</td> </tr> <tr> <td>高分組</td> <td>.00</td> <td>1.00</td> <td>.00</td> <td>.00</td> <td>.00</td> <td></td> </tr> <tr> <td>低分組</td> <td>.28</td> <td>.21</td> <td>.49</td> <td>.01</td> <td>.00</td> <td>鑑別度:0.7897</td> </tr> </tbody> </table> | 選 項 | 1 | 2* | 3 | 其他 | | 選項率 | .13 | .64 | .22 | .00 | .00 | 通過率:64.153 | 高分組 | .00 | 1.00 | .00 | .00 | .00 | | 低分組 | .28 | .21 | .49 | .01 | .00 | 鑑別度:0.7897 |
| 選 項 | 1 | 2* | 3 | 其他 | | | | | | | | | | | | | | | | | | | | | | | | |
| 選項率 | .13 | .64 | .22 | .00 | .00 | 通過率:64.153 | | | | | | | | | | | | | | | | | | | | | | |
| 高分組 | .00 | 1.00 | .00 | .00 | .00 | | | | | | | | | | | | | | | | | | | | | | | |
| 低分組 | .28 | .21 | .49 | .01 | .00 | 鑑別度:0.7897 | | | | | | | | | | | | | | | | | | | | | | |

| 科別 | 年級 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|--|-----|-----|-----|-----|------------|--|-----|-----|-----|-----|-----|-----|------------|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|------------|
| 英語文 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 能力指標 | 1-2-3 能聽懂日常生活對話和簡易故事。 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 認知歷程向度 | 了解 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IRT 試題參數 | a=2.52 b= 0.74 c=0.16 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 題目 | <p>【聽到對話與問題】：每題播出兩遍 (W): I went to Yangmingshan with my classmates yesterday. (M): Did you have a good time? (W): Not really. It was sunny in the morning, but there were showers in the afternoon, and we got all wet. Q: What was the weather like in Yangmingshan yesterday afternoon?</p> <p>【看到選項】 ① It was rainy. ② It was sunny. ③ It was snowy.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 古典理論 (CTT) 選項分析 | <table border="1"> <thead> <tr> <th>選 項</th> <th>1*</th> <th>2</th> <th>3</th> <th>其他</th> <th></th> </tr> </thead> <tbody> <tr> <td>選項率</td> <td>.40</td> <td>.39</td> <td>.21</td> <td>.00</td> <td>.00</td> <td>通過率:40.048</td> </tr> <tr> <td>高分組</td> <td>.98</td> <td>.02</td> <td>.01</td> <td>.00</td> <td>.00</td> <td></td> </tr> <tr> <td>低分組</td> <td>.07</td> <td>.66</td> <td>.26</td> <td>.01</td> <td>.00</td> <td>鑑別度:0.9082</td> </tr> </tbody> </table> | 選 項 | 1* | 2 | 3 | 其他 | | 選項率 | .40 | .39 | .21 | .00 | .00 | 通過率:40.048 | 高分組 | .98 | .02 | .01 | .00 | .00 | | 低分組 | .07 | .66 | .26 | .01 | .00 | 鑑別度:0.9082 |
| 選 項 | 1* | 2 | 3 | 其他 | | | | | | | | | | | | | | | | | | | | | | | | |
| 選項率 | .40 | .39 | .21 | .00 | .00 | 通過率:40.048 | | | | | | | | | | | | | | | | | | | | | | |
| 高分組 | .98 | .02 | .01 | .00 | .00 | | | | | | | | | | | | | | | | | | | | | | | |
| 低分組 | .07 | .66 | .26 | .01 | .00 | 鑑別度:0.9082 | | | | | | | | | | | | | | | | | | | | | | |
| 試題品質 分析與建議 | <p>試題分析：</p> <p>1. 對話中的「Not really, but, all wet」, 都是線索，不過，提到的「shower」, 「sunny」。</p> <p>Sunny 可直接對應到選項 2 「It was sunny.」可是，正答 1 「It was rainy.」跟「shower」不是直接對應，難度較高。</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 科別 | 年級 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|--|------|-----|-----|-----|------------|----|--|-----|-----|-----|-----|-----|-----|------------|-----|-----|------|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|------------|
| 英語文 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 能力指標 | 3-2-8 能從上下文或圖示，猜字意或推論文意。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 認知歷程向度 | 記憶 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IRT 試題參數 | a=1.92 b= 1.09 c=0.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 題目 | <p>Watching American movies _____ you learn English. It' s a good way to learn a foreign language.</p> <p>① help ② helps ③ helping ④ to help</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 古典理論 (CTT) 選項分析 | <table border="1"> <thead> <tr> <th>選 項</th> <th>1</th> <th>2*</th> <th>3</th> <th>4</th> <th>其他</th> <th></th> </tr> </thead> <tbody> <tr> <td>選項率</td> <td>.13</td> <td>.68</td> <td>.11</td> <td>.08</td> <td>.00</td> <td>通過率:67.902</td> </tr> <tr> <td>高分組</td> <td>.00</td> <td>1.00</td> <td>.00</td> <td>.00</td> <td>.00</td> <td></td> </tr> <tr> <td>低分組</td> <td>.29</td> <td>.19</td> <td>.30</td> <td>.22</td> <td>.00</td> <td>鑑別度:0.8096</td> </tr> </tbody> </table> | 選 項 | 1 | 2* | 3 | 4 | 其他 | | 選項率 | .13 | .68 | .11 | .08 | .00 | 通過率:67.902 | 高分組 | .00 | 1.00 | .00 | .00 | .00 | | 低分組 | .29 | .19 | .30 | .22 | .00 | 鑑別度:0.8096 |
| 選 項 | 1 | 2* | 3 | 4 | 其他 | | | | | | | | | | | | | | | | | | | | | | | | |
| 選項率 | .13 | .68 | .11 | .08 | .00 | 通過率:67.902 | | | | | | | | | | | | | | | | | | | | | | | |
| 高分組 | .00 | 1.00 | .00 | .00 | .00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 低分組 | .29 | .19 | .30 | .22 | .00 | 鑑別度:0.8096 | | | | | | | | | | | | | | | | | | | | | | | |

| 科別 | 年級 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|-----|-----|-----|-----|------------|----|--|-----|-----|-----|-----|-----|-----|------------|-----|------|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|------------|
| 英語文 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 能力指標 | 3-1-6 能看懂簡單的句子。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 認知歷程向度 | 了解 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IRT 試題參數 | a=1.69 b=-0.73 c=0.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 題目 | <p>Ella: Where did your family go last summer? Mary: We went to Matzu. Ella: Really? How did you go there? Mary: We went there <u> # </u> boat. Ella: How much time did it <u> </u> to get there? Mary: Almost eight hours. Ella: Wow, that long? Did you get seasick? Mary: No, but my husband and my daughter <u> </u>. Ella: That' s too bad. Did they feel better after you arrived at Matzu? Mary: They did. By the way, you know Matzu is famous for its rice wine, so we bought this bottle for you. Ella: Wow! That' s very <u> </u> of you! Thank you.</p>  <p> : Matzu 馬祖</p> <p>① by ② on ③ for ④ with</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 古典理論 (CTT) 選項分析 | <table border="1"> <thead> <tr> <th>選 項</th> <th>1*</th> <th>2</th> <th>3</th> <th>4</th> <th>其他</th> <th></th> </tr> </thead> <tbody> <tr> <td>選項率</td> <td>.75</td> <td>.10</td> <td>.07</td> <td>.08</td> <td>.00</td> <td>通過率:75.095</td> </tr> <tr> <td>高分組</td> <td>1.00</td> <td>.00</td> <td>.00</td> <td>.00</td> <td>.00</td> <td></td> </tr> <tr> <td>低分組</td> <td>.28</td> <td>.28</td> <td>.22</td> <td>.22</td> <td>.00</td> <td>鑑別度:0.7197</td> </tr> </tbody> </table> | 選 項 | 1* | 2 | 3 | 4 | 其他 | | 選項率 | .75 | .10 | .07 | .08 | .00 | 通過率:75.095 | 高分組 | 1.00 | .00 | .00 | .00 | .00 | | 低分組 | .28 | .28 | .22 | .22 | .00 | 鑑別度:0.7197 |
| 選 項 | 1* | 2 | 3 | 4 | 其他 | | | | | | | | | | | | | | | | | | | | | | | | |
| 選項率 | .75 | .10 | .07 | .08 | .00 | 通過率:75.095 | | | | | | | | | | | | | | | | | | | | | | | |
| 高分組 | 1.00 | .00 | .00 | .00 | .00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 低分組 | .28 | .28 | .22 | .22 | .00 | 鑑別度:0.7197 | | | | | | | | | | | | | | | | | | | | | | | |

| 科別 | 年級 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|--|-----|-----|-----|-----|------------|----|--|-----|-----|-----|-----|-----|-----|------------|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|------------|
| 英語文 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 能力指標 | 3-2-6 能了解對話、短文、書信、故事及短劇等的重要內容與情節。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 認知歷程向度 | 了解 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IRT 試題參數 | a=1.77 b= 1.10 c=0.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 題目 | <p>Ella: Where did your family go last summer? Mary: We went to Matzu. Ella: Really? How did you go there? Mary: We went there ____ boat. Ella: How much time did it _#_ to get there? Mary: Almost eight hours. Ella: Wow, that long? Did you get seasick? Mary: No, but my husband and my daughter ____. Ella: That' s too bad. Did they feel better after you arrived at Matzu? Mary: They did. By the way, you know Matzu is famous for its rice wine, so we bought this bottle for you. Ella: Wow! That' s very ____ of you! Thank you.</p>  | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| |  : Matzu 馬祖 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ① take ② spend ③ cost ④ have | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 古典理論 (CTT) 選項分析 | <table border="1"> <thead> <tr> <th>選 項</th> <th>1*</th> <th>2</th> <th>3</th> <th>4</th> <th>其他</th> <th></th> </tr> </thead> <tbody> <tr> <td>選項率</td> <td>.43</td> <td>.37</td> <td>.10</td> <td>.10</td> <td>.00</td> <td>通過率:42.992</td> </tr> <tr> <td>高分組</td> <td>.84</td> <td>.11</td> <td>.03</td> <td>.02</td> <td>.00</td> <td></td> </tr> <tr> <td>低分組</td> <td>.22</td> <td>.35</td> <td>.18</td> <td>.25</td> <td>.00</td> <td>鑑別度:0.6212</td> </tr> </tbody> </table> | 選 項 | 1* | 2 | 3 | 4 | 其他 | | 選項率 | .43 | .37 | .10 | .10 | .00 | 通過率:42.992 | 高分組 | .84 | .11 | .03 | .02 | .00 | | 低分組 | .22 | .35 | .18 | .25 | .00 | 鑑別度:0.6212 |
| 選 項 | 1* | 2 | 3 | 4 | 其他 | | | | | | | | | | | | | | | | | | | | | | | | |
| 選項率 | .43 | .37 | .10 | .10 | .00 | 通過率:42.992 | | | | | | | | | | | | | | | | | | | | | | | |
| 高分組 | .84 | .11 | .03 | .02 | .00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 低分組 | .22 | .35 | .18 | .25 | .00 | 鑑別度:0.6212 | | | | | | | | | | | | | | | | | | | | | | | |



試題品質
分析與建議



試題分析：



1. 花時間「take」的用法尚未熟練，跟「cost」，「spend」，跟花錢的用法搞混。

教學建議：



1. 教學現場需要提供更多相關的句子及文章脈絡，讓學生歸類花時間、花錢的用法。

| 科別 | 年級 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|-----|-----|-----|-----|------------|----|--|-----|-----|-----|-----|-----|-----|------------|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|------------|
| 英語文 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 能力指標 | 3-2-6 能了解對話、短文、書信、故事及短劇等的重要內容與情節。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 認知歷程向度 | 了解 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IRT 試題參數 | a=0.84 b= 0.05 c=0.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 題目 | <p>Ella: Where did your family go last summer? Mary: We went to Matzu. Ella: Really? How did you go there? Mary: We went there ____ boat. Ella: How much time did it ____ to get there? Mary: Almost eight hours. Ella: Wow, that long? Did you get seasick? Mary: No, but my husband and my daughter _#_. Ella: That' s too bad. Did they feel better after you arrived at Matzu? Mary: They did. By the way, you know Matzu is famous for its rice wine, so we bought this bottle for you. Ella: Wow! That' s very ____ of you! Thank you.</p>  <p> : Matzu 馬祖</p> <p>① got ② were ③ did ④ had</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 古典理論 (CTT) 選項分析 | <table border="1"> <thead> <tr> <th>選 項</th> <th>1</th> <th>2</th> <th>3*</th> <th>4</th> <th>其他</th> <th></th> </tr> </thead> <tbody> <tr> <td>選項率</td> <td>.16</td> <td>.13</td> <td>.59</td> <td>.11</td> <td>.00</td> <td>通過率:59.280</td> </tr> <tr> <td>高分組</td> <td>.02</td> <td>.00</td> <td>.97</td> <td>.01</td> <td>.00</td> <td></td> </tr> <tr> <td>低分組</td> <td>.28</td> <td>.30</td> <td>.19</td> <td>.23</td> <td>.00</td> <td>鑑別度:0.7727</td> </tr> </tbody> </table> | 選 項 | 1 | 2 | 3* | 4 | 其他 | | 選項率 | .16 | .13 | .59 | .11 | .00 | 通過率:59.280 | 高分組 | .02 | .00 | .97 | .01 | .00 | | 低分組 | .28 | .30 | .19 | .23 | .00 | 鑑別度:0.7727 |
| 選 項 | 1 | 2 | 3* | 4 | 其他 | | | | | | | | | | | | | | | | | | | | | | | | |
| 選項率 | .16 | .13 | .59 | .11 | .00 | 通過率:59.280 | | | | | | | | | | | | | | | | | | | | | | | |
| 高分組 | .02 | .00 | .97 | .01 | .00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 低分組 | .28 | .30 | .19 | .23 | .00 | 鑑別度:0.7727 | | | | | | | | | | | | | | | | | | | | | | | |

| 科別 | 年級 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|-----|-----|-----|-----|------------|----|--|-----|-----|-----|-----|-----|-----|------------|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|------------|
| 英語文 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 能力指標 | 3-2-6 能了解對話、短文、書信、故事及短劇等的重要內容與情節。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 認知歷程向度 | 了解 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IRT 試題參數 | a=1.06 b=-0.34 c=0.25058 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 題目 | <p>Ella: Where did your family go last summer? Mary: We went to Matzu. Ella: Really? How did you go there? Mary: We went there ____ boat. Ella: How much time did it ____ to get there? Mary: Almost eight hours. Ella: Wow, that long? Did you get seasick? Mary: No, but my husband and my daughter ____. Ella: That' s too bad. Did they feel better after you arrived at Matzu? Mary: They did. By the way, you know Matzu is famous for its rice wine, so we bought this bottle for you. Ella: Wow! That' s very _#_ of you! Thank you.</p>  <p> : Matzu 馬祖</p> <p>① nice ② proud ③ shy ④ funny</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 古典理論 (CTT) 選項分析 | <table border="1"> <thead> <tr> <th>選 項</th> <th>1*</th> <th>2</th> <th>3</th> <th>4</th> <th>其他</th> <th></th> </tr> </thead> <tbody> <tr> <td>選項率</td> <td>.70</td> <td>.11</td> <td>.06</td> <td>.13</td> <td>.00</td> <td>通過率:70.076</td> </tr> <tr> <td>高分組</td> <td>.97</td> <td>.02</td> <td>.01</td> <td>.00</td> <td>.00</td> <td></td> </tr> <tr> <td>低分組</td> <td>.32</td> <td>.22</td> <td>.18</td> <td>.28</td> <td>.00</td> <td>鑑別度:0.6553</td> </tr> </tbody> </table> | 選 項 | 1* | 2 | 3 | 4 | 其他 | | 選項率 | .70 | .11 | .06 | .13 | .00 | 通過率:70.076 | 高分組 | .97 | .02 | .01 | .00 | .00 | | 低分組 | .32 | .22 | .18 | .28 | .00 | 鑑別度:0.6553 |
| 選 項 | 1* | 2 | 3 | 4 | 其他 | | | | | | | | | | | | | | | | | | | | | | | | |
| 選項率 | .70 | .11 | .06 | .13 | .00 | 通過率:70.076 | | | | | | | | | | | | | | | | | | | | | | | |
| 高分組 | .97 | .02 | .01 | .00 | .00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 低分組 | .32 | .22 | .18 | .28 | .00 | 鑑別度:0.6553 | | | | | | | | | | | | | | | | | | | | | | | |

| 科別 | 年級 | |
|----------|---|---|
| 英語文 | 8 | |
| 能力指標 | 3-2-9 能閱讀不同體裁、不同主題的簡易文章。 | |
| 認知歷程向度 | 了解 | |
| IRT 試題參數 | a=1.44 b=-0.35 c=0.19 | |
| 題目 | The following is a newspaper report about a car accident. Read the report and answer the questions below. | |
| | <p>MAY 20, 2008 Pingdong—There was an accident on Zhongshan Road last night. John Wang drove through a red light and hit a bus. He was driving very fast and wasn't wearing his seatbelt. His wife, Candy Wang, was hurt, and is still in the hospital. The driver of the bus, Peter Lin, was talking on his cellphone while driving. Luckily, no one on the bus was hurt. Emily Lee, a passer-by, saw the accident and called the police.</p> | <p>CAR ACCIDENT ON ZHONGSHAN ROAD By Steve Shen</p>  |
| | <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 10px;">  : passer-by 路人 </div> <p>What was Peter doing when the accident happened?</p> <p>① He was talking on his cellphone. ② He was running through a red light. ③ He was wearing a seatbelt. ④ He was driving to a hospital.</p> | |

| | | 1* | 2 | 3 | 4 | 其他 | |
|-----------------------|-----|-----|-----|-----|-----|-----|------------|
| 古典理論 (CTT) 選項分析 | 選項 | | | | | | |
| | 選項率 | .69 | .12 | .09 | .10 | .00 | 通過率:68.655 |
| | 高分組 | .98 | .02 | .00 | .00 | .00 | |
| | 低分組 | .24 | .28 | .23 | .23 | .00 | 鑑別度:0.7386 |

| 科別 | 年級 | |
|----------|---|---|
| 英語文 | 8 | |
| 能力指標 | 3-2-6 能瞭解對話、短文、書信、故事及短劇等的重要內容與情節。 | |
| 認知歷程向度 | 了解 | |
| IRT 試題參數 | a=2.15 b=-0.06 c=0.28 | |
| 題目 | The following is a newspaper report about a car accident. Read the report and answer the questions below. | |
| | <p>MAY 20, 2008 Pingdong—There was an accident on Zhongshan Road last night. John Wang drove through a red light and hit a bus. He was driving very fast and wasn't wearing his seatbelt. His wife, Candy Wang, was hurt, and is still in the hospital. The driver of the bus, Peter Lin, was talking on his cellphone while driving. Luckily, no one on the bus was hurt. Emily Lee, a passer-by, saw the accident and called the police.</p> | <p>CAR ACCIDENT ON ZHONGSHAN ROAD By Steve Shen</p>  |
| | <div data-bbox="363 1323 679 1384" style="border: 1px solid black; padding: 2px; display: inline-block;">  : passer-by 路人 </div> <p>Who got hurt in the accident?</p> <p>① Peter Lin. ② Candy Wang. ③ John Wang. ④ Emily Lee.</p> | |

| | | 1 | 2* | 3 | 4 | 其他 | |
|-----------------------|-----|-----|-----|-----|-----|-----|------------|
| 古典理論 (CTT) 選項分析 | 選項 | | | | | | |
| | 選項率 | .06 | .68 | .10 | .15 | .00 | 通過率:67.708 |
| | 高分組 | .00 | .99 | .00 | .01 | .00 | |
| | 低分組 | .17 | .24 | .24 | .34 | .00 | 鑑別度:0.7462 |