

日期：
便簽 單位：研究發展處

速別：普通件

密等及解密條件或保密期限：

- 一、文陳閱後公告於電子內外公佈欄、本校、處及組網站並 e-mail副知各計畫主持人，請踴躍研提計畫。
- 二、欲申請計畫者，請於109年5月26日中午12時，將資料送至本組辦理函送事宜。

裝

會辦單位：

| 第二層決行 | | |
|------------------------|------|------------------------------------|
| 承辦單位 | 會辦單位 | 決行 |
| 行政組員 張雅惠 0422 1015 | | |
| 教授兼組長 李思禹 0422 1707 | | |
| | | 代為決行 教授兼研究發展處長 周濟眾 0422 1707 |

訂

線



檔 號：

保存年限：

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密等及解密條件或保密期限：

附件：如主旨(附件一 A09040000E109120059400O-1.pdf、附件二 A09040000E109120059400O-2.pdf、附件三 A09040000E109120059400O-3.pdf、附件四 A09040000E109120059400O-4.odt、附件五 A09040000E109120059400O-5.odt、附件六 A09040000E109120059400O-6.pdf)

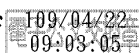
主旨：檢送我國參加IEA「國際電腦與資訊素養研究(ICILS) 2023」國家調查執行團隊徵選計畫書及相關附件1份，投件截止日為109年5月29日(星期五)下午5時(以送達時間為準)，請協助公告並鼓勵踴躍投件，請查照。

說明：

- 一、本院接受教育部國民及學前教育署委託辦理IEA「國際電腦與資訊素養(ICILS) 2023研究」國家調查執行團隊徵選。
- 二、本案徵求期程自公告日起至109年5月29日(星期五)下午5時前止，請依本院檢附計畫書、經費表格式繕打，並檢附書面1式5份、電子檔光碟1份，由機關具文提出申請。
- 三、本案執行期程自109年8月1日起至114年3月31日止，相關計畫執行重點需求及計畫審查重點，請詳閱本計畫之計畫徵求說明書。

正本：公私立大專校院

副本：本院測驗及評量研究中心



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國立中興大學



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第1頁，共26頁
線上簽核文件列印 - 第2頁/共27頁

我國參加 IEA 主辦之「國際電腦與資訊素養研究 (ICILS) 2023」

國家調查執行團隊計畫徵求說明書

壹、 案名

我國參加 IEA 主辦之「國際電腦與資訊素養研究(ICILS) 2023」

國家調查執行團隊計畫徵求

貳、 背景及說明

教育部為參加國際教育成就評量學會(International Association for the Evaluation of Educational Achievement, IEA) 主辦之「國際電腦與資訊素養研究」(International Computer and Information Literacy Study, ICILS)，特公開徵求我國國家調查執行團隊進行調查。我國參與之 ICILS 2023 除主測八年級學生之電腦與資訊素養外，亦需加測「數位思考」

(computational thinking) 模組，敬邀國內具執行大型教育評比調查實務經驗與研究專業之大專院校及研究機構研究人員，以同校、跨校等方式組成調查研究團隊，提出計畫申請及經費規畫。

參、 計畫期程：本案期程自 2020 年 8 月 1 日起至 2025 年 3 月 31 日止。

肆、 計畫執行重點需求：

一、 組成 ICILS 2023 國家研究中心

組成包括研究、行政、資料管理、資訊管理、執行調查功能角色之 ICILS 2023 國家研究中心，以綜整所有調查、分析事務及職責，並建置國家研究中心官網俾利執行調查與宣導。

計畫主持人需擔任國家調查執行團隊主持人（National Research Coordinator, NRC），負責與 IEA 國際調查中心聯繫與合作，嚴格掌控調查執行進度及期程。（國家研究中心組成、職掌、國際期程詳見附件 1）

二、 抽樣

1. 提供我國學生之抽樣架構及對應之全國八年級學校名單、人數等正式統計資料，供 IEA 進行我國之學校抽樣（含預試及正式施測）。
2. 以 IEA 釋出軟體進行樣本學校內之學生抽樣（含預試及正式施測）。

三、 調查工具準備

1. 與 ICILS 2023 計畫各參加國共同協商發展跨國性調查工具。
2. 在 IEA 規範下，適切增修符合我國國情之背景問卷題項。

3. 在 IEA 規範下，進行調查工具（含測驗工具、問卷題目與電腦化介面等）之中文翻譯。

四、 進行調查

1. 進行我國學生電腦與資訊素養及數位思考模組之調查研究，該調查全面採電腦化評量，惟其學生測驗及問卷，國際研究中心提供單機式 USB 拇指碟、線上網路、校內區網伺服器施測選項，請擇定方式或組合，並依我國國情、經費需求說明規劃之，務使測驗順利進行，切不可因資訊軟硬體缺失而造成樣本或資料流失。（附件 2）
2. 配合國際研究中心期程，預於 2022 年 2 至 5 月進行預試，2023 年 2 至 5 月進行正式施測。

- 五、 參加 IEA 舉行之 NRC 會議及訓練研習。每次參加 5 工作日、人數 2 人，並以 IEA 德國漢堡分部預估差旅費及日支生活費。

六、 報告撰寫

IEA 國際報告預於 2024 年 11 月全球公告，於此前需協助 IEA 國際研究中心資料統計分析及國際報告出版相關事宜，並同步進行我國調查結果之統計分析及國際比較研究，較深化之計量分析與相關調查結果，並進行教育政策建議：

1. 我國學生電腦與資訊素養（含各分項及綜合）調查結果與

國際比較研究；

2. 我國學生數位思考（含各分項及綜合）調查結果與國際比較研究；

3. 以上分析結果應於 IEA 正式國際公告前 1 個月，完成我國調查結果初步分析、國際比較、教育政策建議等之中、英文精簡報告；並完成中文完整國家報告後，繳交本院進行外部專家審查後於計畫結束前出版。

4. 研究團隊必須於 IEA 正式公佈結果前 2 個月，提供國內記者會簡報及新聞稿，並義務性參加與 IEA 同步之國內正式調查結果公佈記者會與會前會，計畫執行期間並應配合教育部或本院不定期提供計畫相關問題之回應。

七、依本院提供之網頁模組，建置 ICILS 2023 中文官方網頁。

八、需組成專家小組進行內部品質管控機制，並審查各項工具及文件中譯本的適切性。

伍、計畫申請

一、申請本計畫，請依規定請於 **2020 年 5 月 29 日 17 時前**，由機關具文提出申請（以送達時間為準），執行期間從 **2020 年 8 月 1 日至 2025 年 3 月 31 日止**。

二、本案通過後，將由教育部國民及學前教育署（以下簡稱國教

署) 逕與研究團隊簽署行政協議書，並核撥經費。其他未盡事項及相關經費編列依據，請參考「教育部補(捐)助及委辦計畫經費編列基準表」及「教育部補(捐)助及委辦經費核撥結報作業要點」規定辦理。

三、本計畫為本院協助國教署徵選團隊，確認後將以行政協助方式，由國教署向優選團隊進行協議書簽約、採逐年方式經費審查及經費付款事宜。

四、本計畫經費將視審核結果進行調整，並應各年度相關公務預算經行政院及立法院審查結果辦理。即若各年度所需經費未獲立法院審議通過或部分刪除，得終止契約；若經費遭刪減，則以預算經法定程序審查通過之金額為準，該金額由國教署調整後另行通知。如機關預算遭凍結不能如期動支，將延後辦理無息支付。

陸、計畫書製作及申請期限：

一、計畫內容：

1. 整體計畫及分項計畫之名稱、目的、文獻評述、計畫進行方式、步驟、執行進度。
2. 計畫總主持人、共同主持人、及研究團隊之個人資料、學經歷、專長、以及參與本計畫之特殊考慮，工作任務等。

3. 專家顧問團或委員會（含名單）之組成及運作方式。
4. 對所蒐集資料保存管理、進行深度分析、成果發表等之規劃。
5. 預期成果與應用、國際交流、教育政策建議等規劃。
6. 申請單位配合提供之空間、電腦(工作站級)及相關設備、可運用之資源...等之說明及單位之承諾書。

二、 執行單位之支援。

三、 人力及經費：本計畫分五期進行，請預估並述明所需之研究人力及相關經費(分期列明：第1期 2020年8月1日至2021年3月31日，第2期 2021年4月1日至2022年3月31日，第3期 2022年4月1日至2023年3月31日，第4期 2023年4月1日至2024年3月31日，第5期 2024年4月1日至2025年3月31日)。

四、 製作格式：請依本院計畫書格式繕打，並檢附1式5份。另請檢附1份電子檔（光碟型式儲存）。

柒、 計畫審查與評估

- 一、 本計畫分為初審（專家書面審查）及複審（國際評比專案諮詢小組會議審查）。複審時將邀請計畫申請團隊進行現場口頭簡報，報告時間為15分鐘，問答15分鐘，採統問統答方式辦理。

二、 本計畫審查重點：

1. 主持人與共同主持人專業能力

(1) 主持人及參與人員具執行國際性/大型調查計畫之經驗及能力 (20%)

(2) 整體團隊在相關領域研究之能力 (20%)

2. 計畫執行方式與步驟 (含計畫經費合理性，包括總經費及分年經費增刪建議等) (50%)

3. 所需資源之合理性及執行單位之配合程度 (10%)

捌、 計畫團隊注意事項：

一、 所有團隊成員需遵守並簽署 IEA 所規定之任何保密協定、執行進度、資料釋出規定，以免影響我國在國際組織之權益。

二、 計畫執行期間所蒐集之資料及執行成果等智慧財產權屬教育部，未經機關同意不得擅自對外發表。

三、 計畫執行期間所蒐集之資料及分析結果，計畫團隊需協助完整保存及管理，並遵循行政協助協議書規範期程，於計畫結束後，整理相關資料並繳回本院。

玖、 相關附件：

一、 附件 1：ICILS 2023 國家研究中心組成及職責

二、 附件 2：ICILS 2023 國家調查軟硬體規劃需求

三、 附件 3：本院計畫申請書格式

四、 附件 4：教育部國民及學前教育署委辦計畫經費申請表

五、 附件 5：專家書面審查表



附件1

ICILS 2023 – Summary of National Center Tasks

The following is a summary of key tasks that national centers are responsible for completing or coordinating.

Sampling (Field Trial and Main Survey)

- Providing list of schools for sampling (before field trial as in most cases the field trial and main survey school samples are drawn concurrently);
- Contacting schools and sampling classes;
- Contacting the sampled schools to obtain cooperation;
- Identifying and training School Coordinators for each school;
- Communicating with school IT personnel regarding school-based computer facilities;
- Requesting information about classes from the sampled schools;
- Selecting a random sample of 20 students (plus replacements) at the target grade level;
- Listing the sampled students;
- Listing the teachers teaching the target grade in the sampled school;
- Selecting a random sample of teachers from this list.

Materials Review and Preparation (Field Trial and Main Survey)

- Contributing to the development of the ICILS Assessment Framework and instruments (through participation at NRC meetings and providing electronic feedback on materials as they are being developed);
- Adapting and translating the ICILS instruments;
- Documenting adaptations made to the achievement tests and questionnaires;
- Submitting all instruments for international translation verification (this will be done through computer-based interfaces);
- Preparing for data collection (this will vary by country depending on the delivery mode) but will include liaison with schools and completing pre-data collection checks of school resources and preparedness for data collection.

Data Collection (field trial and main survey)

- Preparing the selected students for testing;
- Administering the test and questionnaires;
- Completing the Test Administration Forms;
- Calculating student response rates and hold make-up sessions;
- Returning materials to the national center;
- Carrying out quality control school visits;
- Tracking participation of schools, students and teachers;
- Resolving any technical data issues.

Scoring Student Work

- Preparing for scoring student work;
- Organizing a computer-based scoring center;
- Scoring student work;
- Coding parental occupation descriptions from the student questionnaire.

Creating the Data Files (Field Trial and Main Survey)

- Entering any necessary test administration information in WinW3S;
- Submitting the WinW3S database to IEA;
- Verifying data;

- Submitting database and materials to the ICILS International Study Center and IEA.
- Reviewing national data and responding to associated queries from the International Study Center and IEA.

Preparing and Disseminating National Reports

- Conducting national analysis of the data;
- Writing the national report;
- Working with the IEA communications team to support information dissemination;
- Disseminating national report (in conjunction with the release of the international report).



ICILS 2023 - National Center Staff Role Descriptions

National Research Coordinator

The National Research Coordinator (NRC) plays a major role in the IEA projects. NRCs are primarily responsible for implementing the study in their countries. The NRC is responsible for the operations of the national study center as they relate to each study. Typically, the NRC has support (some specialist and some general administrative) to run the study.

The NRC is the main contact in a country for the international study coordination and is responsible for coordinating all tasks in the country.

The NRC is required to have excellent written and spoken English (the IEA working language). All international NRC meetings are conducted in English.

The NRC is responsible for:

- **employment and supervision of staff at the national center working on ICILS;**
- assurance of the availability of required IT infrastructure and equipment and other necessary equipment and materials for use by the national center;
- participation in the international NRC meetings; and
- overall management of the national center.

Data Manager

The Data Manager manages all data related issues, adapts codebooks and verifies data. Because the ICILS student instruments are computer-based, the data manager will need to work closely with the IT Coordinator.

IT Coordinator

The IT Coordinator supports the delivery of the instruments in schools. This role involves potential liaison with school IT staff and provision of technical advice within countries. During the field trial and main survey administration the IT Coordinator will be responsible for overseeing the IT infrastructure resources (such as USB drives or local servers if and as required), resolving IT related data issues and managing a telephone helpdesk to support test administrators in schools. The International Study Center and IEA will provide training and support for the IT Coordinator to manage test delivery and related data systems within countries.



Translators/Translation Reviewers (in non-English speaking countries)

Translators and Translation Reviewers translate and adapt the instruments into the local language(s) and review the translations internally. IEA oversees and coordinates the formal process of external translation verification, which takes place after countries have completed their internal translation and review. Following the external translation verification process, countries finalize their translations under the supervision of the NRC and in collaboration with IEA and

the International Study Center. Translators within countries may also be involved in the finalization of instruments following translation verification.

Office Staff

National center office staff contact schools, authorities and other relevant people as required; and organize the office administration and staff travel. All these roles may be performed by an individual person, but the tasks may be allocated across a number of people depending on their capabilities and the local context (including financial resources).



ICILS 2023 –Timeline

The following is a draft timeline of the major milestones for the next cycle of ICILS in 2023. This has been established on the assumption that data collection will take place in Northern Hemisphere countries in the first half of 2023.

* (NRC = National Research Coordinator)

NRC meetings and training, study milestones

| Milestone | Period or Date |
|---|-----------------------------|
| Instrument development | July 2020 to April 2021 |
| Framework development | July 2020 to April 2021 |
| NRC Meeting 2 (discussion of draft framework and instruments) | November 2020 |
| PAC webinar (discussion of final field trial instruments) | April 2021 |
| NRC Meeting 3 (discussion of final field trial instruments) | May 2021 |
| Field trial instrument release | September 2021 |
| NRC Field Trial Training Seminar | October 2021 |
| Field trial preparations (operations and instruments) | June 2021 to February 2022 |
| Field trial implementation | February to May 2022 |
| Field trial analysis | May to July 2022 |
| NRC Meeting 4 (review of field trial outcomes and final instruments) | September 2022 |
| Finalization of main survey instruments | July to October 2022 |
| Finalization and publication of assessment framework | June 2022 to December 2022 |
| Main survey instruments release | October 2022 |
| NRC Main Survey Training Seminar (northern hemisphere) | November 2022 |
| Main survey preparations (operations and instruments) | July 2022 to July 2023 |
| Main survey implementation (northern hemisphere) | February to May 2023 |
| National contexts survey (northern hemisphere) | May to July 2023 |
| Data compilation and analysis | May 2023 to February 2024 |
| International Report development | November 2023 to July 2024 |
| NRC Meeting 5 (review of draft main survey reports) | June 2024 |
| International Report finalization | July to September 2024 |
| International Report release | November 2024 |
| Updated ICILS 2023 Technical Report and database release | March 2025 |



附件2

ICILS 2023 - Framework for Estimating National Costs

This framework for estimating national costs has been developed to describe the types of tasks, infrastructure and staff needed within countries in order to run the IEA International Computer and Information Literacy Study (ICILS) 2023. The total national costs for running ICILS will, of course, depend on individual country circumstances cost structures.

The costs in this framework have been described with reference to one grade level participating in each country. For ICILS 2023, the target grade in most countries will be the eighth grade, or its national equivalent.

The ICILS 2023 student assessment will be capable of being delivered offline (by USB drive) on local servers or through the internet. The delivery mechanism will be determined in consultation with countries and with consideration of country infrastructure. Staffing and infrastructure costs will need to be established with reference to the chosen delivery method within each country.

The major items to be taken into account when estimating costs are provided below.

Staff

Usually, for a study of this scope, the IEA national study centers include one or two full time researchers plus some part time staff to assist them at particular times during the project life-cycle. The tasks that typically require additional staff at particular times include:

- translation and/or adaptation of the instruments and administration materials;
- technical IT support for preparation of assessment delivery (technical support may include the preparation of USB drives or support for school-level testing of internet facilities depending on the assessment delivery mechanism);
- provision of technical assistance to schools for computer-based delivery of the assessment (including a telephone-based helpdesk at the time of administration);
- survey administration in schools (school coordinator, test administrators);
- national quality control observation of data collection;
- scoring student work at a central marking center;
- sampling, data management; and
- encouraging school participation (to ensure participation rate requirements for reporting are met) and clerical assistance.



ICILS staff who work directly with the International Study Center, and IEA require a high level of proficiency in written and spoken English.

Equipment and Infrastructure

The national study center needs to be equipped with computer infrastructure sufficient to manage work on large-scale assessment.

The chosen delivery method will determine the infrastructure costs related to test delivery (e.g. purchase and configuration of USB drives or notebook computers to be taken to schools).

Scoring student work in ICILS will be computer-based and so the national study center will need to make provisions for computer-based scoring of student work for both the field trial and main survey. This will require approximately 10 computers to be available for use by scorers (for approximately five working days for the field trial and 15 working days for the main survey).

Other costs would comprise standard office costs such as supplies, mail and delivery (courier) services.

Travel

There are five meetings of the national research coordinators (NRCs), which are held in different countries. The second meeting allows NRCs to provide detailed feedback on the reviewed assessment framework and the draft instruments. The next two meetings (meetings 3 and 4) precede the field trial and main survey data collection periods and deal with instrument selection, instrument preparation, and project planning for data collection. The fifth meeting allows participants the opportunity to provide feedback on the draft International Report and includes a training meeting to support researchers to work with the international database.

In addition to the NRC meetings, there are two separate sets of meetings at the IEA Hamburg for field operations and scorer training. Some countries choose to send more than one person to the training meetings (such as the NRC and persons with specific responsibility for scorer training, data management and field operations).

After the study is completed and the database is published, there is a special meeting devoted to training on using the database. This training should be attended by the NRC but, if possible, also by other researchers.

It is necessary to budget for some travelling within your country associated with project operations (such as visits to schools or school administration bodies if required or training for IT support staff or national quality monitoring during the test administration).

In countries where test administrators external to the schools are employed to administer the student instruments then travel costs for test administrators may need to be included.

International Quality Control Monitors are employed by IEA directly. Costs of their training are covered by IEA. They also receive an honorarium for their work.

Instrument and Manual Preparation

Instruments

All ICILS 2023 instruments will be delivered on computer. The student tests (of Computer and Information Literacy and Computational Thinking if the international option is being undertaken), the student questionnaire, the teacher questionnaire, ICT-coordinator questionnaire and principal questionnaire will all need to be adapted and translated under the supervision of the national center and with support from the International Study Center and IEA. The cost of reviewing and verifying adaptations and translations are borne by IEA, the cost of completing the adaptations and translations, conducting internal review and revision in response to feedback from verifiers is borne by national centers and should be included in national costing. All adaptation and translation activities will be conducted online.

While it is not possible to provide an exact word count for the ICILS instruments, based on the plans for ICILS 2023 and data from ICILS 2013 and 2018 we estimate that the student instruments (test and questionnaire) will comprise approximately 27,000 words in total (with approximately 4,000 of those for the Computational Thinking instruments) and the teacher, principal and ICT-coordinator

questionnaires will comprise approximately 10,000 words. We therefore suggest that you budget for translation costs of up to 40,000 words for translation of the ICILS instruments.

Manuals

There will be also several manuals for both Field Trial and the Main Data Collection, some of them to be translated, printed and reproduced. The manuals used in the IEA studies are: Sampling Manual, Field Operations Manual, School Coordinator Manual, Test Administrator Manual, and Scoring Guide. There are also manuals for using each of the software components (such as the translation, administration and scoring systems). The scoring will be completed on computer, but our experience has shown clearly that scorers prefer to work with printed scoring guides. In most countries, there will be no data entry for ICILS as all instruments will be completed on computer. In countries where school staff will complete paper-based questionnaires, there will need to be some data entry. In previous cycles of ICILS this has been negligible and in most countries no data entry was required at all.

Instrument Delivery/Data Collection

Principal, ICT-coordinator and teacher questionnaires

These instruments are delivered online (unless this is not possible). Costs associated with field operations and school communication are borne by national centers.

Student test(s) and questionnaire

Regardless of the delivery mode used in ICILS 2023, national centers will need to work with schools to complete pre-assessment checks of school infrastructure for the testing. This will vary by delivery mode and will include checks of connectivity to the test (through the internet, using USB or local servers) as well as the availability of computers and facilities within schools to conduct the testing. The cost of administering these checks will be borne by national centers.

Countries where USB delivery is being used

Countries will be required to pay for the cost of USB drives (one per participating student for the field trial and main survey).

The International Study Center will provide technical specifications (such as memory capacity and speed) regarding the USB drives. Typically any relatively new (less than 1 year old) model produced by a reputable brand will meet the requisite technical criteria. We strongly recommend that countries do NOT purchase cheap USB drives from small providers. Any cost saving between purchasing high quality USB drives and ones of unknown quality is very quickly lost if USB drives fail and additional data collection is required in schools to make up for these failures. Arranging for additional data collection in schools is time consuming and very costly; staff time is required to make the arrangements to collect the data in make-up sessions, schools are inconvenienced and, as data are collected typically in the final third of the school year, there is a risk that schools are not available to arrange for additional data collection sessions after the scheduled sessions.

Following the translation and verification of assessment instruments, the assessment software will be downloaded and replicated onto USB-drives in participating countries. National study centers will need to arrange and pay for the in-country USB drive preparation (this will mainly involve copying

the assessment software onto USB drives and quality control of this process), distribution, tracking and return of the USB drives and management of the data upload from the USB drives.

There will be approximately 25-30 schools and 500-1000 students participating in the field test and a minimum of 150 schools with approximately 3000-4000 students for the main survey. In each school there will be 20 students randomly selected from the target grade level to participate in the surveys.

Countries where internet delivery is being used

In countries where internet delivery is being used, there will be no need to purchase USB sticks for the purpose of conducting the testing with all students. However, we recommend that USB-based versions of the test instrument are available as a backup solution for use in schools where internet delivery is not possible.

Local server method

In countries where local server delivery is used, it will be necessary for national centers to purchase computers that can be used as local servers (connected to school networks) within schools. In each case, one local server is required per school, but each local server can be used to conduct as many testing sessions across schools as the schedule of testing sessions permits.

| | Advantages | Disadvantages |
|-------------------|---|--|
| USB delivery | <p>Self-contained environment, does not rely on either school internet connectivity OR browser configurations (as the browser is contained on the USB)</p> <p>Generally greater standardisation of layout (e.g. zooming) although this can be controlled</p> <p>Higher security during test taking, students cannot easily exit the test to, for example, surf the web or communicate with each other</p> | <p>Harder to administer than web delivery</p> <p>Problems can occur if school security settings, for example, block the use of USB or 'sandbox' data (so more testing is required)</p> <p>Relies on technology that has a USB port. Also may not work on non-Windows OS (depending on the OS and whether emulation software can be used)</p> <p>Data need to be uploaded from each USB after each test session</p> <p>There is a slight risk of losing USB drives between the time data are collected and data are uploaded</p> <p>It is possible for duplicate records to be created, if for example a test is begun on one USB and then completed using the same user ID on another stick (this is very rare)</p> <p>Requires instrument content to be absolutely final before USB image is created (so any last-minute corrections may not be possible after the USBs have been replicated)</p> |
| Internet delivery | <p>Easier to administer than USB (simply navigate to a URL and enter username and password)</p> <p>Cheaper for the national center if school computers are sufficient to support testing</p> <p>Data are uploaded in real time</p> <p>Changes to the instruments (i.e. corrections) can be made and implemented up until testing begins</p> | <p>Relies on schools having sufficient bandwidth to support the testing</p> <p>May require specific browsers to be installed on school computers (usually the requirement is Firefox or Chrome that is not more than 1 year old)</p> <p>Performance can be affected by fluctuations in internet connection speed</p> <p>If a locked-down browser is used then security is</p> |

| | | |
|--|--|---|
| | | <p>OK but otherwise, supervision is required to ensure students remain on task and in the active browser window</p> <p>If a locked-down browser is used then this needs to be installed on all student devices, which may be time consuming and have issues (such as conflicts with local security or network settings)</p> |
|--|--|---|

Scoring

Scoring will take approximately 50 person days for the field trial and 200 person days for the main survey.

Reporting and Dissemination of the Results

This includes the costs of preparation and publishing the main report.



國家教育研究院計畫申請書

壹、基本資料：

研究計畫編號：

| | | |
|------------------|----|---------------------------------------|
| 本計畫主持人姓名 | | 職稱 |
| 本計畫 名稱 | 中文 | |
| | 英文 | |
| 全程執行期限 | | 自民國 109 年 8 月 1 日起至民國 114 年 3 月 31 日止 |
| 計畫連絡人 | | 姓名：_____ |
| | | 電話：(公)_____ (宅/手機)_____ |
| | | E-Mail：_____ |
| 對教育(政策) 的預期貢獻 | | |
| 中文摘要 | | |
| 中文關鍵詞 | | |
| 英文摘要 | | |
| 英文關鍵詞 | | |

(※中英文摘要、對教育(政策)的預期貢獻為必填欄位)

申請人簽章：_____ 日期：_____

參、執行經費

| 年度 | | 總計經費 (單位：新臺幣元) | 備註 |
|-------------------------------------|-----|-------------------|----|
| 第 1 年 2020 (109/08/01~110/03/31) | 人事費 | | |
| | 業務費 | | |
| | 設備費 | | |
| 第 2 年 2021 (110/04/01~111/03/31) | 人事費 | | |
| | 業務費 | | |
| | 設備費 | | |
| 第 3 年 2022 (111/04/01~112/03/31) | 人事費 | | |
| | 業務費 | | |
| | 設備費 | | |
| 第 4 年 2023 (112/04/01~113/03/31) | 人事費 | | |
| | 業務費 | | |
| | 設備費 | | |
| 第 5 年 2024 (113/04/01~114/03/31) | 人事費 | | |
| | 業務費 | | |
| | 設備費 | | |
| 總計 | | | |

* 詳細明細填列於國教署委辦計畫經費申請表

肆、計畫內容及重點說明

- (一)計畫之背景及目的。請詳述本計畫之背景、目的、重要性及國內外有關本計畫之研究情況、重要參考文獻之評述等。
- (二)計畫執行方法、進行步驟及執行進度，請分年列述：
1. 本計畫採用之研究方法與原因。
 2. 預計可能遭遇之困難及解決途徑。
 3. 重要儀器之配合使用情形。
 4. 如為須赴國外或大陸地區，請詳述其必要性以及預期成果等。
- (三)對所蒐集資料保存管理方式、深度分析及成果發表之規劃
- (四)預期完成之工作項目及成果，請分年列述：
1. 預期完成之工作項目。
 2. 對於學術研究、國家發展及其他應用方面預期之貢獻。
 3. 對於參與之工作人員，預期可獲之訓練。
- (五)執行單位之支援事項。



附件一之三

教育部國民及學前教育署委辦計畫項目經費表

| | | | | | |
|---|----|--------|----|-------|----|
| 計畫名稱：XXXX | | | | | |
| 辦理方式： <input type="checkbox"/> 行政委託 <input type="checkbox"/> 行政指示 <input type="checkbox"/> 行政協助 | | | | | |
| 計畫期限： 年 月 日至 年 月 日 | | | | | |
| 計畫經費總額： 元 | | | | | |
| 經費項目 | | 計畫經費明細 | | | |
| | | 單價(元) | 數量 | 總價(元) | 說明 |
| 業務費 | 小計 | | | | |
| | 雜支 | | | | |
| | 小計 | | | | |
| | | | | | |
| 行政管理費 | | | | | |
| 設備及投資 | | | | | |
| 小計 | | | | | |
| 合計 | | | | | |
| 備註： | | | | | |
| <p>一、 行政管理費按業務費之金額級距，分段乘算下列比率後加總：</p> <p>(一)業務費300萬元(含)以下者，得按業務費*10%以內編列。</p> <p>(二)業務費超過300萬元以上部分，得按超過部分*5%以內編列。</p> <p>二、 行政管理費上限為60萬元，但因特殊需要經本署同意者，不在此限。</p> <p>三、 經費執行涉及須依「政府機關政策文宣規劃執行注意事項」及預算法第62條之1及其執行原則等相關規定辦理者，應明確標示其為「廣告」，且揭示教育部國民及學前教育署名稱，並不得以置入性行銷方式進行。</p> <p>四、 經費動支應依中央政府各項經費支用規定及本要點經費編列基準表規定辦理。</p> <p>五、 上述中央政府經費支用規定，得逕於「行政院主計總處網站-友善經費報支專區-內審規定」查詢參考。</p> <p>六、 本經費表新增或勻支二級用途別經費項目，得由執行單位循內部行政程序自行辦理。</p> <p>七、 依政府採購法辦理者，其預算經費表得參照本表辦理。</p> | | | | | |
| 餘款繳回方式： | | | | | |
| <input type="checkbox"/> 繳回 <input type="checkbox"/> 不繳回 <input type="checkbox"/> 依教育部補(捐)助及委辦經費核撥結報作業要點辦理，未執行項目經費(含人事費未依學歷職級或期程聘用人員致剩餘款)應繳回。 <input type="checkbox"/> 執行率未達____%，計畫餘款應繳回。 <input type="checkbox"/> 如編列 <u>出席費、訪視費、諮詢費、輔導費、講座鐘點費、審查費、國內旅費、工作費</u> 等經費項目不得支用其他項目，且該項目餘款應繳回。 | | | | | |

第24頁，共26頁
線上審核文件列印 - 第25頁/共27頁



國家教育研究院國際評比審查表

| | | | |
|---|--|-------|-------|
| 主持人： | | 服務機關： | |
| 計畫名稱： | | | |
| 一、 審查項目及評分： | | % | 分數 |
| 1. 主持人與共同主持人專業能力 | | | |
| (1) 主持人及參與人員具執行國際性/大型調查計畫之經驗及能力 | | 20 | _____ |
| (2) 整體團隊在相關領域研究之能力 | | 20 | _____ |
| 請列出不適擔任共同主持人之人員： | | | |
| _____ | | | |
| 2. 計畫執行方式及步驟可行性 (含計畫經費合理性, 包括總經費及分年經費增刪建議等) | | 50 | _____ |
| 3. 所需資源之合理性及執行單位之配合度 | | 10 | _____ |
| 二、 審查結果： | | | |
| () 通過，逕行會議複審(71-100) | | | 總分 |
| () 修正後通過，進入會議複審(71-100) | | | |
| () 不通過 (70 分以下) | | | |
| 三、 審查意見：請針對上述審查項目給予建議 | | | |

審查委員：

日期：109 年 月 日