

Services for implementation of
PISA-based Test for Schools
in your country

2019

20
estudios & evaluaciones





Services for implementation of PISA-based Test for Schools in your country

The **PISA-based Test for Schools (PBTS)** is a student assessment tool for schools and school networks. It is used to support research, international benchmarking and school improvement efforts. This assessment tool provides descriptive information and analyses of the skills and creative application of knowledge of 15-year-old students. It also gives information about the influence of contextual factors on students' performance.

In order to implement the PBTS in a specific country, the development of a wide range of **processes and procedures** is required. Some of them are: idiomatic and cultural adaptation of PBTS instruments, preparation of test administration in a specific school or group of schools, sampling procedures, test administration, coding and marking, validation study, cognitive data scaling, context information analysis, survey weighting, district and school report translation, adaptation, layout and reports production (please, refer to the [appendix](#) for the full list of actions needed for the adequate PBTS implementation).

2e offers a wide variety of services for the countries, that have recently joined the program, in order to share its expertise, advise and support in PISA-based test for Schools implementation. Please, review the three standard packages and choose the one that better suits your needs or ask for the personalized offer.

PBTS Golden package

Whole scope of services needed for the complete implementation of the PBTS program in a specific country.

PBTS Silver package

Services that include data analysis, reports production and overall supervision and advice.

PBTS Bronze package

Webinars and workshops on the standardized procedures for test administration, coding, marking and scaling procedures, overall supervision and advice

About 2e

2e is expert in helping governments, schools, educators and students to achieve the excellence in education through a wide screen of services related to evaluation of social policies.

Since 2015, 2e is a **national service provider of PISA-based Test for Schools implementation in Spain**, accredited by the OECD. 2e also continuously supports the OECD in the PBTS implementation in the countries that have recently joined the program, such as Russia, Brunei or China.

PBTS in Russia (Moscow): 2e has successfully collaborated with Russian educational authorities in test adaptation, preparation, standardization of coding and marking procedures and has also developed validation study, data analysis and produced region report and schools reports for over 600 Moscow schools.

PBTS in Brunei: 2e is responsible for Brunei country level analysis and report production.

PBTS in China: 2e will train national service providers in main PBTS processes and procedures.

Collaboration with 2e will allow you to learn from the experience of an active service provider, to reduce related costs and shorten PBTS launch time in your country.

Please, contact us for further information or budget estimation:

PISA-based Test for Schools

Golden package

The PBTS golden package includes the whole scope of activities needed for the cultural and idiomatic adaptation of test instruments and complete implementation of the program in a group of schools in your country during an academic year.*

Translation of test materials and reports

Translation of test booklets, district and school reports to your country's language



Preparation of test materials

Layout of test materials, adaptation of questionnaires, preparation of manuals and instructions



Test administration preparation and execution

Sampling procedures, tests preparation in schools, recruiting and training of test administrators, test administration



Correcting and coding

Recruiting and training of experts in marking, marking and double-marking of test booklets, coding of test booklets and questionnaires



Data analysis

Validation study, cognitive data scaling, contextual information analysis, survey weighting



Reporting

District and school reports layout, district and school reports production



The PBTS golden package is appropriate if the educational authority is interested in PBTS implementation in a specific country in a short period of time and counts with limited resources.

All the services will be delivered following the technical standards and procedures established by the OECD. 2E will maintain a constant and priority communication with the OECD and the client with the purpose of keeping informed about the PBTS implementation process and will provide all needed information and analysis regarding specific aspects that require the OECD's or client's approval.

* Additionally, a country PBTS specific WEB page, PBTS promotional materials and results dissemination campaign can be developed depending on country's language.

This package of services is also available for national and regional assessments.

Please, contact us for further information or budget estimation:

The PBTS silver package includes the scope of services that cover the most complex activities of PBTS implementation: data analysis and reports production. These activities require the specific statistical and psychometric knowledge and technological resources.

Oversight and advise

Advise and supervision of every step of PBTS preparation and administration during a single academic year



Test administration and preparation

On-line training of test administrators
Sampling procedures



Correcting and coding

Face-to-face training of experts in marking
On-line training on test booklets and questionnaires coding



Data analysis

Validation study, cognitive data scaling, contextual information analysis, survey weighting



Reporting

District and school reports layout, district and school reports production



The **PBTS silver package** is appropriate if the educational authority interested in PBTS implementation has a capacity and resources available for test adaptation and administration but needs support in statistical and psychometric analysis and graph design in order to properly cover school demand for a quick feedback on PBTS results.

All the services will be delivered following the technical standards and procedures established by the OECD. 2E will maintain a constant and priority communication with the OECD and the client with the purpose of keeping informed about the PBTS implementation process and will provide all needed information and analysis regarding specific aspects that require the OECD's or client's approval.

This package of services is also available for national and regional assessments.

Please, contact us for further information or budget estimation:

PISA-based Test for Schools

Bronze package



The PBTS bronze package includes the number of webinars and workshops* recommended for the adequate implementation of PBTS in a specific country. The workshops will cover the standardized procedures for test administration, coding, marking and the data scaling procedures needed for the PBTS instruments validation and generation of students and schools results. 2E will also offer technical assistance during one year covering the overall support and problem solving.

Oversight and advise

Advise and supervision of every step of PBTS preparation and administration during a single academic year



Test administration

On-line training of test administrators (2 hours webinar)
Face-to-face or on-line training of experts in marking and coding (4 hours workshop)



Data analysis

Training in validation study, data scaling and PBTS results generation (3-5 days workshop)



Reporting

Guideline for school reports production



This package is appropriate if the educational authority interested in PBTS implementation has a capacity and availability of 5-7 analysts with advanced knowledge in statistics, psychometry and familiarized with international educational assessments methodology in order to cover school demand for a quick feedback on PBTS results.

All the services will be delivered following the technical standards and procedures established by the OECD. 2E will maintain a constant and priority communication with the OECD and the client with the purpose of keeping all the parties informed about the PBTS implementation process and will provide all needed information and analysis regarding specific aspects that require the OECD's or client's approval.

* The workshops are available in **English and Spanish languages**

Please, contact us for further information or budget estimation:

Appendix

PBTS Processes and procedures

I. Adaptation of international instruments of the PISA-based Test for Schools (PFS) for paper based assessment

1.1	Idiomatic adaptations of the research materials to specific country language
1.2	Printing of research materials
1.3	Packaging of research materials for each educational institution selected to participate in the study, in accordance with the lists of participating students

II. Sampling

2.1	Request of the initial list of eligible students of educational institutions
2.2	Students sampling

III. Preparation of test administration

3.1	Coordination and preparation of test administration dates with educational institutions
3.2	Developing of data entry software (in case of paper based assessment; the use of free softwares is possible)
3.3	Recruiting of test administrators
3.4	Recruiting of test coders
3.5	Recruiting of marking experts
3.6	Training of tests administrators
3.7	Training of test coders
3.8	Training of marking experts
3.9	Training of quality controllers

IV. Test administration

4.1	Coordination of Test administration of the PBTS assessment in educational institutions.
4.1	Procedures of quality control.

V. Coding and marking

5.1	Marking and double-marking of the student booklets by the experts
5.2	Enter results of tests and questionnaires (in case of paper based assessment)
5.3	Constructing of a database incorporating the results of the test and context questionnaires responses (in case of paper based assessment)

VI. Data analysis

6.1	Recoding and depuration of Student questionnaire file
6.2	Recoding and depuration of Student test files
6.3	Depuration of School questionnaire file
6.4	Validation study
6.5	Student score generation
6.6	Questionnaire scale indices generation
6.7	Other complex questionnaire variables generation
6.8	Survey weighting
6.9	Descriptive statistics
6.10	School level database generation
6.12	Region level analysis

VII. District report/reports development

7.1	Layout of District report in country's language
7.2	Production of District report/reports

VIII. School report development

8.1	Layout of School report in country's language
8.2	Production of School report/reports

Please, contact us for further information or budget estimation:

Other products and services

DESIGN OF PUBLIC POLICY ASSESSMENTS

- Development of theoretical framework
- Design of assessment instruments
- Fieldwork
- Data treatment
- Statistical and psychometric analysis
- Reporting
- Results dissemination

STATISTICAL ANALYSIS AND DATA PROCESSING

- Development of balanced scorecards, bank of indicators, KPI, etc.
- Statistical analysis of diverse complexity with leading-edge and tailor-made methodology
- Development of strategies for presentation results
- In-depth analysis of primary information
- Statistical analysis of BIG DATA based on customer's needs
- Custom-made studies of international evaluations results

- ✓ Country and regional level education indicators
- ✓ National and regional reports on international assessments (PISA, TIMSS, TALIS, PIACC reports)
- ✓ Reports on National assessments

PSYCOMETRY STUDIES

2E is specialized in design and psychometric validation of evaluation instruments with diverse complexity, combining the traditional test's analysis with innovative methodological strategies in the field of psychometry (Item Response Theory, combined methods, etc.).

- Creation of educational and psychological evaluations scales
- Pilot test design, cognitive pre-test, etc.
- Scales validation
- Cognitive tests validations

TRAINING WORKSHOPS





- Design of assessment plans and instruments
- Validation of scales and instruments
- Methods of psychometric analysis of the Classical Theory of Tests and the Item Response Theory
- Use and management of SPSS, R, TAM (R), Bilog, Conquest, etc.
- Training course for beginners and advanced users on Excel tool (Beginner's introduction to Excel, Conditional formatting, Introduction to Pivot Tables, advanced Pivot tables, functions and formula related, Graphics, Macros / VBA, etc.)

2E designs tailor-made training courses (please, contact us for further information).

Please, contact us for further information or budget estimation:



2E Estudios, Evaluaciones e Investigación S.L.

-  www.pisaparacentroseducativos.es
-  @PISAforSchools
-  info@pisaparacentroseducativos.es
-  +34 984 70 64 52

