Effective Learning Environments







FEBRUARY 2020



This e-newsletter aims to keep you informed about the activities, publications, research and events linked to Effective Learning Environments and the GNEELE. Further information can be found on our website.



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Update on the GNEELE meeting in Tokyo

_____ The meeting of the Group of National Experts on Effective Learning Environments took place on 19-20 November 2019 in Tokyo.

The focus of the GNEELE meeting revolved around the OECD School User Survey, its implementation in Japan and Russian Federation –by the World Bank– and its potential implementation in various countries, as well as the collection of case studies and the monitoring report on the OECD Recommendation Concerning Guidelines on Earthquake Safety in Schools. Additionally the GNEELE discussed the outputs of the Effective Learning Environments project in the biennium 2019-2020.



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Update on the GNEELE meeting in Tokyo_p.2



Furthermore, the Group of National Experts had fruitful discussions about the long-term vision and strategy of the project, the priorities, options and potential directions of the future work.



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Schools visits and symposium in Tokyo

_SCHOOL VISITS DURING THE 7th MEETING OF THE GNEELE: Visits to the following schools were organised after the GNEELE meeting:

- Kasahara Elementary School | link
- Ashihara Elementary School | link
- Nagareyama Otakanomori Elementary and Junior High School | link

_INTERNATIONAL SYMPOSIUM ON EFFECTIVE LEARNING

public-facing event featured international speakers from the GNEELE and attracted over 60 Japanese participants from Ministries, school districts, architectural firms and researchers. The event provided an opportunity to foster peer-learning, share expertise and raise awareness about the OECD's work on education and effective learning environments.



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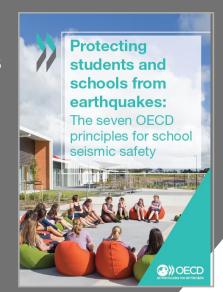


Earthquake safety in schools

_REPORT ON THE IMPLEMENTATION OF THE RECOMMENDATION OF THE COUNCIL CONCERNING GUIDELINES ON EARTHQUAKE SAFETY

The draft Report on the Implementation of the Recommendation of the Council Concerning Guidelines on Earthquake Safety in Schools was discussed during the 2019 GNEELE meeting and it was approved via written procedure by the OECD Education Policy Committee in February 2020. The revised report will be submitted to the OECD Council in April 2020.

For the OECD Recommendation click here
For the 2015 Report click here
For the 2017 Brochure click here





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Case studies about the transformation of learning environments

_______ The OECD Secretariat is collecting case studies designed to explore how schools around the world are transforming from traditional teaching-led learning environments supported by conventional school building design to innovative pedagogical approaches supported by responsive spatial environments. Government officials, architects, school principals are invited to submit a case study using the online form.

The OECD Secretariat will combine all collected case studies and will curate a final deliverable which will also feature the lessons learned and policy recommendations deriving from these examples.



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The complete set of the OECD School User Survey

THE OECD SCHOOL USER SURVEY IN EIGHT LANGUAGES:

Two new languages since June 2019: Korean and Russian



For English click here



For French click here



For Greek click here



For Italian click here



For Japanese click here



For Korean click here



For Russian click



For Spanish click here



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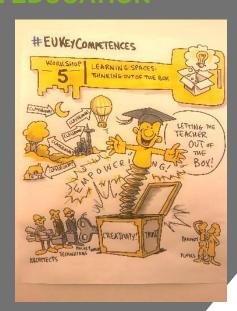


OECD at the European Commission conference in Brussels

_SUPPORTING KEY COMPETENCE DEVELOPMENT: LEARNING APPROACHES AND ENVIRONMENTS IN SCHOOL EDUCATION

The OECD Secretariat delivered a presentation during Workshop 5 "Learning spaces: thinking out of the box" of the Key Competence Development conference, organised by the European Commission in Brussels on 12-13 November 2019. The conference attracted more than 100 professionals in the area of education.

The conference report is available on the conference web site and the EU bookshop.





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News from OECD: blogpost from Andreas Schleicher

_PISA TURNS 18 AND LOOKS TO THE FUTURE

Read the **blogpost** by Andreas Schleicher about PISA turning 18 and how it needs to assume ever greater responsibility in guiding policy decisions towards education opportunities that are more relevant, of higher quality and more equitable.

Perhaps the most surprising finding from PISA is that, despite their many differences, high-performing schools and education systems share so many features that transcend cultural, national and linguistic borders.



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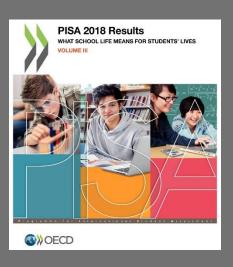




News from OECD: PISA 2018 publications

_PISA 2018 VOLUME III: WHAT SCHOOL LIFE MEANS FOR STUDENTS' LIVES

This is one of the six volumes that present the PISA 2018 survey results, published in December 2019. Volume III focuses on the physical and emotional health of students, the role of teachers and parents in shaping the school climate, and the social life at school.



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Download (for institutions with a subscription to OECD iLibrary)

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News from OECD: PISA 2018 publications

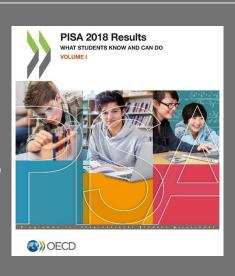
PISA 2018 VOLUME I: WHAT STUDENTS KNOW

Findings from the first volume of PISA 2018 results indicate that student performance in reading, math and science remained stable between 2015 and 2018 on average across OECD countries.

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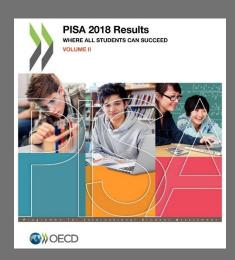
News from OECD: PISA 2018 publications

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_PISA 2018 VOLUME II: WHERE ALL STUDENTS

The second volume of PISA 2018 results examines gender differences in student performance, and the links between students' socio-economic status and immigrant background. It also examines student performance and well-being.



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News from OECD: working papers on PISA

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INTRODUCTION OF MULTISTAGE ADAPTIVE TESTING DESIGN IN

This paper describes and evaluates a multistage adaptive testing (MSAT) design that was implemented for the PISA 2018 main survey for the major domain of Reading.

HOW ARE PISA RESULTS RELATED TO ADULT LIFE OUTCOMES?

This paper answers questions such as: What can the performance of 15-years-old students in 2018 tell us about the world in 2030?

ARE STUDENT'S CAREER EXPECTATIONS ALIGNED WITH THEIR

Read this paper about how education systems can play a crucial role in channelling skills and talent into the labour market and helping young people develop a fair assessment of the opportunities available to them.



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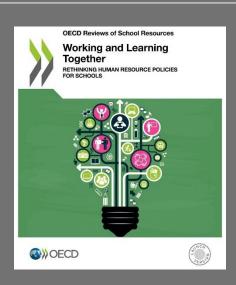




News from OECD: publications

_WORKING AND LEARNING TOGETHER:
RETHINKING HUMAN RESOURCE POLICIES
FOR SCHOOLS

The staff working in schools are the most important resource for today's education systems. This report aims to provide guidance for the design of human resource policies that strengthen, recognise and preserve the positive impact that teachers, school leaders and other school staff have on their students.



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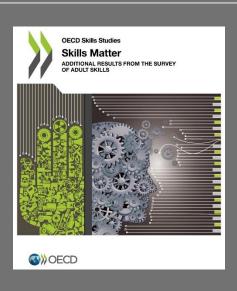
_SKILLS MATTER: ADDITIONAL RESULTS FROM THE SURVEY OF ADULT SKILLS

This publication reports on the results from the 39 countries and regions that participated in the 3 rounds of data collection in the first cycle of PIAAC, with a particular focus on the 6 countries that participated in the third round of the study.



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News from OECD: publications

TEACHING IN FOCUS – THE TEACHERS' WELL-BEING
CONCEPTUAL FRAMEWORK: CONTRIBUTIONS FROM TALIS 2018

The OECD teachers' occupational well-being framework contributes to understanding and measuring the occupational well-being of teachers between and within systems. It provides a pathway to explore the association between the quality of working environments and teachers' levels of occupational well-being. It also covers the association of teachers' occupational well-being with the (measured by classroom quality processes and association with students' well-being) and teachers' stress levels and motivation to continue teaching.

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News from OECD: infrastructure events

OECD INFRASTRUCTURE EVENTS, PARIS, 11-13 MAY 2020

The OECD Directorate of Public Governance is organising the following events to advance the dialogue on infrastructure governance:

 5th OECD Forum on Governance of Infrastructure: "Investing for the future: the increasing role of infrastructure governance", on 11-12 May 2020. More information is available on the Forum website.

> 5th OECD Forum on Governance of Infrastructure 11-12 May 2020, OECD, Paris, France

 13th Annual Meeting of Senior Infrastructure and PPP Officials (SIP) Network, on 13 May 2020.



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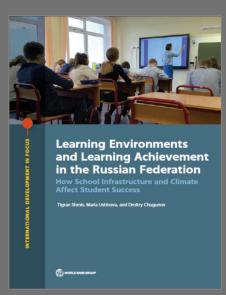




News from member countries and partners

LEARNING ENVIRONMENTS AND LEARNING
ACHIEVEMENT IN THE RUSSIAN FEDERATION:
HOW SCHOOL INFRASTRUCTURE AND CLIMATE
AFFECT STUDENT SUCCESS

This book presents the main findings of a study on school learning environments and student outcomes, conducted by the World Bank in three regions of the Russian Federation, in 2019. Using data collected through the OECD School User Survey and the pilot "Trends in Mathematics and Science Study" (TIMSS), the book analyses how a school's infrastructure and learning environment may affect the progress and success of students in math and science.





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News from member countries and partners

_A SYSTEMATIC REVIEW OF THE EFFECTS OF INNOVATIVE LEARNING ENVIRONMENTS ON TEACHER

Read the <u>article</u> about the fifth report in an ongoing series of technical reports aiming to collate and investigate a wide array of data gathered by iletc /University of Melbourne.

Download the report

_TRANSITIONS 18 SYMPOSIUM PROCEEDINGS

This book presents the proceedings of the 2018 international symposia for graduate and early career researchers in Australasia, Europe and North America, organised by iletc.





*iletc = Innovative Learning Environments and Teacher Change



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News from member countries and partners

_SUSTAINABLE DEVELOPMENT

The aim of the Sustainable Development Goals [SDG] Book Club is to introduce children between the ages of six and 12 to the ways the UN wants to transform the world by 2030. For 17 months, the SDG Book Club will be choosing books with messages related to each of the 17 goals, to provide "a playful and participative way to learn about them, through stories and characters children can relate to".



Click here for the SDGs Book Club Read the article on World Forum



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News from member countries and partners

READ – RUSSIA'S INITIATIVE TO IMPROVE LEARNING OUTCOMES
IS MORE RELEVANT THAN EVER

In 2008, the Russian Federation initiated the Russia Education Aid for Development (READ) program, one of the first partnerships between the country and the World Bank, with a view to helping improve learning outcomes around the world through better measurement of student learning.

Click here for more information



News: future events

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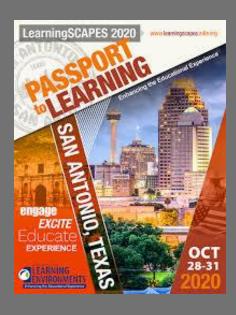


LEARNINGSCAPES 2020:

The Association for Learning Environments [A4LE] will host the "LearningSCAPES 2020" conference on 28-31 October in San Antonio.

The conference theme is: **Passport to Learning – Enhancing the Educational Experience** – *Engage, Excite, Educate, Experience*.

For more information click here.





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Articles – presentations of school buildings

FREDERIKSVEJ KINDERGARTEN IN COPENHAGEN, DENMARK

Read the designboom article about this kindergarten which was conceived as a small village setting. The scheme consists of houseshaped volumes with play spaces organized around two winter gardens, creating a safe and stimulating environment for over 180 young children.







Articles – presentations of school buildings

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_KB PRIMARY AND SECONDARY SCHOOL, JAPAN

Read the Education snapshots <u>presentation</u> about KB Primary and Secondary School. A closed public secondary school was renovated as a private primary and secondary school. The architects also designed the furniture in order to create "active Learning" spaces.







Images credit: Toshinari Soga (Studio BAUHAUS)



Articles – presentations of school buildings

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CHAMINADE HIGH SCHOOL, USA

Read the Education snapshots <u>presentation</u> about the Chaminade High School – Dolan Family Science, Research, and Technology Center.

The design approach for the Center focused on setting the stage for science and innovation, engaging students, faculty, staff and visitors at every turn.





nages credit: Garrett Rowl



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Articles – presentations of school buildings

COPENHAGEN INTERNATIONAL SCHOOL, DENMARK

CIS Nordhavn is a new school building for Copenhagen International School, located in Copenhagen's new Nordhavn district. The school is designed to link the school premises with the public sphere in the urban environment, and give the school an open ambience. Read the presentation





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Articles – presentations of school buildings

EVERGREEN INTERNATIONAL KINDERGARTEN, CHINA

Read the Education snapshots presentation about the Evergreen International Kindergarten, where the entire space is transformed into a huge toy, by placing a surprising curved slide in the centre of the reception waiting area. With this structure, it promotes children's curiosity and unearths their unlimited and self initiated exploration mode.





nages credit:



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_BREARLEY SCHOOL EXPANSION USA

Read the Education snapshots

presentation about the Brearley School
expansion, where -in order to respect
the strong academic focus of Brearleythe project has been designed from the
inside out (programmatic needs) and
then from the outside in (look and feel).



Image credit: Nic Lehoux



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Articles – presentations of school buildings

_DOVE MOUNTAIN CSTEM K-8 SCHOOL, USA

Read the article about the Dove Mountain CSTEM K-8 School, where the architects used the district's guiding principles of creative, innovative and specialised learning. The design concept evolves around a plan to create a campus based on the community's goals of a collaborative environment, providing opportunity to break down siloed learning.





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Articles – presentations of school buildings

_LUTHER COLLEGE MIDDLE SCHOOL, AUSTRALIA

Read the Education snapshots presentation about the Luther College Middle School. The redevelopment of Luther College's Middle School has been designed to support the school's approach to contemporary pedagogy. The diverse range of educational environments enhance student education processes; addressing what, how, when, where and with whom they learn.





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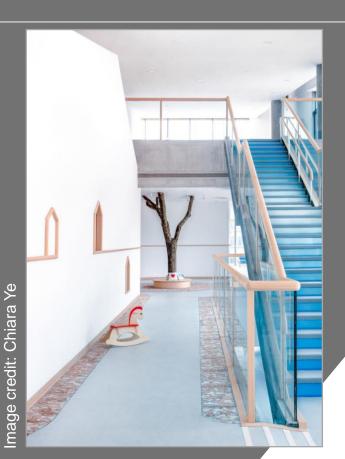




Articles – presentations of school buildings

_MONTESSORI BEIJING

Read the Education snapshots presentation about the Montessori Beijing Kindergarten, where a big blue staircase connects every floor as if it were a canal. The design of the classroom resembles a simple house and the library is transformed into an open space with a tree planted in the centre, just like the main square of a rural town.











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Articles – presentations of school buildings

MEADOWS CHILDREN'S NURSERY NORTHUMBERLAND, UNITED

Read the Education snapshots presentation about the Meadows Children's Nursery Northumberland, where the building is arranged to frame the scenery; it merges into the landscape and reflects the rural aesthetic of the surrounding agricultural vernacular.







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Articles about creativity

_HOW CAN WE FOSTER CREATIVITY IN SCHOOL — AND HOW WILL WE KNOW WE ARE ACTUALLY DOING SO? Watch the talk of OECD Director Andreas Schleicher explaining how creativity and critical thinking are essential skills for students to succeed.

TED <u>article</u> of Sir Ken Robinson, who claims that dance and physical activity should have the same status in schools as math, science and language.

Read the Guardian article about how the latest American research suggests we should be encouraging questions, because curious children do better.



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Articles from the University of Melbourne researchers

EMERGING STRATEGIES FOR SUCCESS: Read this article on Sage Journal exploring the characteristics of a successful transition of a school from traditional classrooms to an innovative learning environment, through case studies of four schools in Australia and New Zealand.

PERSPECTIVES: Read this article about the study investigated the affordance for learning perceptions of educators and architects with respect to the possibilities for deep learning in both innovative learning environments and more traditional classrooms.



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University of Melbourne article about Australia, which will need an estimated 400 to 750 new schools to accommodate 650,000 additional students within the next decade. These new schools present an exciting opportunity to deliver buildings that support the way education happens in the 21st century, and better serve the broader community.

Sydney, which has officially phased out iPads and gone back to regular textbooks. Teachers agree with the decision, as iPads were found to do nothing in improving students' technology skills and instead hindered learning; however, parents had mixed reactions.



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Articles about design

THINKING OUTSIDE THE BOX: ADAPTIVE REUSE FOR EDUCATION

Read the <u>article</u> about how repurposing empty structures into educational and administrative facilities breathes life back into buildings and surrounding neighbourhoods.

about how design trends influence STEM education in many subtle ways; such trends may include informal spaces and colour combinations in space.



Acoustics

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CHILDRENIS LISTENING SKILLS: Read the article about a study suggesting that noise and a poor sound environment can hinder linguistic development of nursery school children, and that more attention should be paid to children's sound and learning environments.

article about a questionnaire survey done in large primary school in Poland which focused on a correlation between room acoustics and changes in the communication, behaviour and wellbeing of students and teachers; 378 students and 40 teachers participated in the survey. The students' questionnaire consisted of 73 questions while the teachers' one consisted of 121 questions in 23 topics.



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Energy efficiency & sustainability

_SUSTAINING A SUSTAINABLE BUILDING: THE KEYS TO OPERATIONAL SUCCESS: Read the article about suggested best practices in sustainability that have an effect that goes beyond energy savings and can even help measurably improve outcomes for students.

Read the <u>article</u> about how a high school in California will be implementing solar carports and a battery storage system.

article about 1,968 solar panels to be installed on the roof of the joint middle and high school building. The solar system is expected to generate about 700 kilowatts of renewable energy annually, which will cover about 70% of the building's energy needs during the year.



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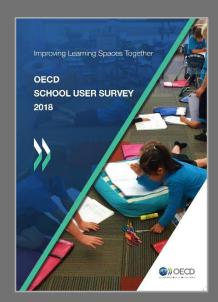


Effective Learning Environments online

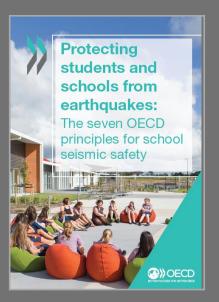
_EFFECTIVE LEARNING ENVIRONMENTS WEBSITE:

www.oecd.org/education/effective-learning-environments/

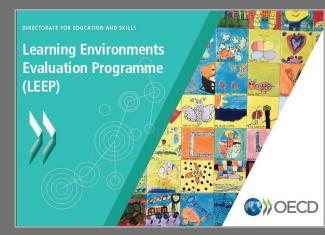












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Useful documents

Follow the links to view the files:

OECD SCHOOL USER SURVEY: Improving Learning

Spaces Together [English]

OECD School User Survey infographic

The blogpost of Andreas Schleicher

Watch the launch event on 15 June 2018

LEEP FIELD TRIAL REPORT

LEEP INSTRUMENT DEVELOPMENT REPORT

LEEP FRAMEWORK

ING STUDENTS AND SCHOOLS FROM

EARTHQUAKES: The seven OECD principles for school

seismic safety

OECD **SCHOOL USER SURVEY**

DID YOU KNOW?

5385he number of hours an average spent inside school buildings

3 USER GROUPS

THE OFCD SCHOOL USER SURVEY EMPOWERS



4-STEP CYCLE

CYCLE OF CONTINUOUS IMPROVEMENT



5 AREAS OF FOCUS



2 Comfort and safety







4 Perceptions of learning environments



5 Overall satisfaction with the school facilities







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How to use the OECD School User Survey

The OECD School User Survey is available online in a PDF format for free in 8 languages - English, French, Greek, Italian, Japanese, Korean, Russian and Spanish- and may be used by any interested actor. When using the Survey, the OECD recommends that:



Full recognition be given to the OECD as the original author of the Survey, if applied independently.



The Survey must be administered in its current format and layout. The OECD School User Survey has been designed as an integrated tool to collect information from all three user groups (students, teachers and school leaders). Therefore all three questionnaires should be used together, and with all of the questions rather than a selection. Please inform us if you do not intend to use the full Survey or would like to include additional questions.



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How to use the OECD School User Survey_p.2



The OECD be informed when the Survey has been completed and results collected. In the next 12 months, we are looking to compile a selection of case studies from those who have used the Survey in order to highlight the effectiveness of the tool for schools.



Requests for the right to **translate** the Survey into other languages be sent to the OECD publications team **rights@oecd.org** who will provide a free license to translate the Survey, and will request an electronic version of the translation. Please keep our team on copy as well **EffectiveLearningEnvironments@oecd.org**













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OECD School User Survey: Partnership opportunities

How can you get involved? The OECD is looking for partners!



Take the test!



Support efforts to translate the Survey into your national language.



Actively help with dissemination and awareness-raising among relevant audiences (e.g. countries, school principals, teacher unions, local government authorities, universities).



Provide feedback for the continuous improvement of the OECD School User Survey questionnaires.

Send your email to EffectiveLearningEnvironments@OECD.org



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OECD Education online resources

_olectrebulcation and skills Newsterness Read the latest issues online [November 2019, January and February 2020] that deliver the key education findings and policy directions emerging from recent OECD analysis in a single accessible free source.

_ACCESS COMPANY OF COMPANY OF CONTROL OF COUNTRIES DENERING TO COU

GET FREE EDUCATION REPORTS AND STATISTICS:

- www.oecd.org/edu/workingpapers for a series of education working papers
- gpseducation.oecd.org for more data on education and skills
- www.oecd.org/education for a selection of free downloadable OECD reports and data



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Support the project!

_GROW THE NETWORK Please feel free to forward this e-mail and e-newsletter to interested colleagues.

_CONTRIBUTE: You are invited to suggest content for the e-newsletter to EffectiveLearningEnvironments@OECD.org



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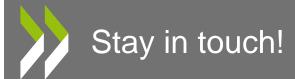
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