

TERMS OF REFERENCE
NATURAL SCIENCES EDUCATION EXPERT
FOR THE DEVELOPMENT AND LAUNCH OF THE NATIONAL EDUCATIONAL DIGITAL PLATFORM (E-PLATFORM) UNDER THE MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

ToR Date of Issuance:	June 20, 2018
Due Date for Applications:	July 6, 2018

PRSM is committed to providing equal employment opportunity without regard to race, color, religion, gender, sexual orientation, national or ethnic origin, age, disability or status as a veteran with respect to policies, programs and activities.

Background

The Professionals for Reform Support Mechanism (PRSM) provides human resource support – from managers to technical experts – to critical reform initiatives undertaken by national governmental agencies. PRSM is a multi-donor platform, which improves coordination of donor efforts for greater impact and avoids overlap of donor funding. It does not support routine work of the Government of Ukraine that is normally managed by the civil service. To do this, PRSM:

- **Selects initiatives** based on clearly defined links to reform initiatives;
- Ensures transparent **recruitment** of human resources;
- Manages the **contracting** and payment of human resources;
- Provides financial **reports** for donors;
- **Monitors** initiatives for results.

Reform Initiative

National Educational Digital Platform is a key component of the New Ukrainian School.

The reform was kickstarted by the new Law on Education. According to the Law, new competency-based and values-oriented curricula has to be imposed. Public management will be decentralized, schools and teachers get more autonomy. Teacher role, tasks and responsibilities will be revised. New opportunities for private and other types of schools will be introduced, while teacher training market will be liberalized. New market of modern learning resources, materials and technologies needs to be built virtually from the scratch.

This transition towards universal learning design, competency-based curriculum, enquiry-based learning is hindered by a number of factors. First of all, teachers lack relevant qualifications while supply of modern teacher training programs is limited. The educational content market is dominated by traditional paper publishers. The market of digital learning resources is in its inception.

As a result, parents are not happy with quality of learning resources. 30% of respondents cite 'lack of quality and engaging textbooks' as an important problem of secondary education in a recent survey . 29% are worried with schools providing knowledge which is not relevant to life, and 26% - outdated teaching methods and techniques.

The National Educational Digital Platform will provide teachers with online training, digital learning resources, learning management capabilities. Cutting-edge educational technology and modern content

will help teachers and students to create personalized learning experience through multiple learning profiles, developmental theories and their implications for practice, enable them to assess and employ a variety of teaching strategies to meet individual needs of each and every student.

Position Summary

Natural Sciences Education Expert will develop criteria to the content (natural sciences) and procedure of its selection, development and integration to the Platform.

Preferred Qualifications and Skills:

- 3+ years of practical experience in middle school (STEM);
- Strong knowledge of New Ukrainian School concept, developmental theories, inquiry-based learning, integrated teaching;
- Ability to use technology as a tool to enhance personalized student learning and assist students, as well as measure student understanding and progress;
- Ability to work cooperatively. Leadership skills;
- Fluent oral and written English;
- International / and or private education experience is a plus.

Indicative duties and responsibilities:

- Develops criteria for selecting and developing content (natural sciences) for the Platform;
- Develops criteria for e-textbooks and studying electronic materials (natural sciences);
- Creates a database of open educational resources on natural sciences that can be embedded into the Platform;
- Consults internal and external stakeholders on use of digital learning materials on natural sciences;
- Develops teacher guidelines on use of ICT / digital learning materials on natural sciences;
- Takes part in developing procurement requirements for the tenders of educational resources and materials (natural sciences) in the part of the content according to the needs and priorities of MoES.

Contract Duration and Timing

Full-time position based in Kyiv. The total duration of the consultancy is expected to be 1 year (6+6 months) with possible extension.

To apply

Submissions must be prepared in English and delivered electronically **by 17:00 Kyiv time on July 6, 2018** to the following address: prsm@fsr.org.ua. We do not welcome unsolicited phone calls.

All submissions must include:

- 1) Applicant's CV;
- 2) Applicant's brief letter of interest indicated related experience and achievements.

Please ensure to state **Natural Sciences Education Expert** in the e-mail subject line.

Applications received after the indicated deadline or without letter of interest will not be reviewed and considered.

Shortlisted candidates will be contacted after July 10, 2018.

Terms of Reference Natural Sciences Education Expert