

NEWS

2016.4.1

Webinar Presentation via OECD School Networks

On April first, a webinar was hosted by the OECD Education 2030 and School Network having 26 participants from over ten countries. Members of the NGE made a presentation in the webinar. (Tokyo Gakugei University is a member of the organization of Innovative Schools Network. This network is organized by University of Tokyo in cooperation with high schools and technical colleges). After the conference introduction given by the School Network Group board members, International Baccalaureate (IB) introduced the concept of IB education, which involves fostering competencies. A session on a project by NGE followed.

In this presentation, Professor Masahiro Kamata (Science Education) and associate professor Satoshi Suzuki (Physical Education) introduced a lesson on the practices implemented in elementary school level science and physical education. The content included topics on teaching and activities for fostering skills and attitudes/values in Japanese classrooms.



A video clip of physical education classroom practices in an elementary school was introduced during the webinar

INFORMATION

Video shooting of lessons in a Tokyo Gakugei affiliated junior high school starts in June

Last school year a video recording of lessons in a Tokyo Gakugei affiliated elementary school was shot. The video recording in the affiliated junior high school will start in June.

All subjects will be recorded in affiliated junior high school examples of classroom practices. Subjects will engage in self-directed, dialogic, deep learning. This will lead to acquisitions of skills, attitudes, and values required for success in the 21st century.

The recorded classroom practices on video will be used as a model for studying how learning content, knowledge, skills, and activities related to skills and attitudes in interaction. The recorded video will be used as teaching materials (for professional teacher development and teacher education training) to inform teachers of how lessons are created and on how lessons are applied.

This school year, a questionnaire will be added to help measure effectiveness on how the lessons have impacted students. The endeavors between subject-based education teachers of Tokyo Gakugei University and teachers of affiliated schools will be distributed all over the world by the OECD.



A scene of lesson video recording

NEWS

2016.4.7

The project leader of NGE Spoke of the relationship between human resource development for the next generation and the OECD

On April 7, 2016, project leader of the NGE, Dr. Manabu Kishi presented about “educational reform required for human resources development for the next generation” at Keidanren (Japan Business Federation) and the Educational Issues Committee (chairperson: Hiroaki Nakanishi, chairman of board, HITACHI, the number of participants was about 60).

First, project leader, Kishi, gave an informational session on fostering knowledge, skills, and attitudes/values in global human resources as a part of the OECD Education 2030. This project promotes evaluation of learning applied for new course of study. Next, the project leader presented video clips of elementary school lessons (Japanese, science, and physical education), and further explained the possibility of fostering skills and attitudes/values by using video clips and research results.

Members of the committee inquired and voiced opinions on the importance of developing human resources in compulsory level education. For example, how to grasp skills and expertise for fostering global human resources, and the components of attitudes and values required for Japanese education.



Project leader Dr. Manabu Kishi explains endeavor of NGE

REPORT

Distribution of lesson video clips coming soon...

This project plans to record lessons trying to foster skills and attitudes/values at affiliated elementary and junior high schools, as well as have many people in various fields utilize the video clips for relevant training. At present, these lesson video clips are currently being created on a trial basis for preview.

This system offers three kinds of videos: full view of the classroom, view of the teacher, and view of the pupils/students. These videos come with explanatory subtitles as well. You can switch over to the main screen (please refer to the picture below). You can read comments, explanations, contents of writings on the blackboard, notebooks, and lesson plans by the teachers who conducted lessons and research collaborators. It is as if one is observing a lesson study. We are also now preparing to include elementary school lesson videos in cooperation with teachers of affiliated elementary schools.

In the next year, we are going to distribute these lesson videos in English through OECD.

This system should be used as a model by instructors for university students who are in the teacher training courses.

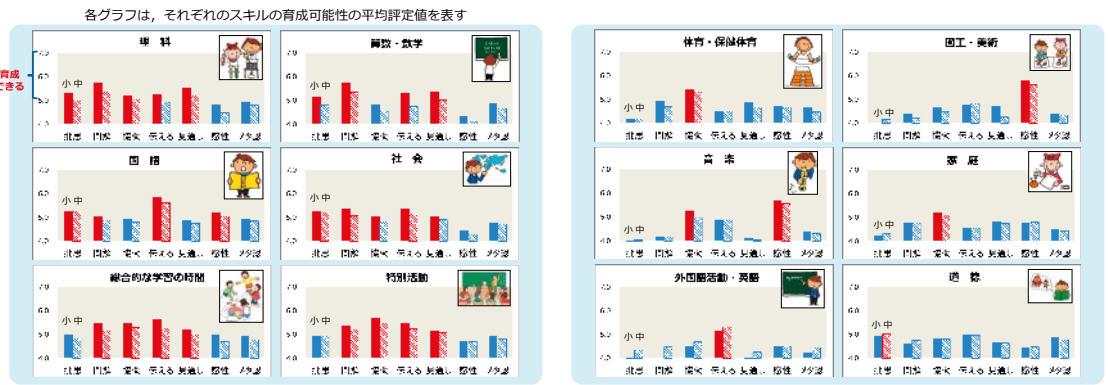


A Japanese lesson by Mr. Shinya Ueda, Tokyo Gakugei University affiliated Ohizumi Elementary School

REPORT Outcomes of research on fostering competencies (skills, attitudes/values)

We already introduced a survey in Vol.1 of the NGE Report that conducted an attitude study on elementary and junior high school teachers and 500 teachers each, to measure their perception of how much acquisition of skills, attitudes/values can be fostered regarding a seven cross-subject skills and a set of eight attitudes/values. The bar graphs show the outcomes of skills. In the graph, the red bar reflects the judgment of a strong possibility. The bar on the left is the elementary teachers' outcomes, and the right is junior high school teachers'.

Gakugei NGE スキルの全般的な育成を志向する教科等 Gakugei NGE 特定のスキルの育成を志向する教科等



NEWS Benesse Educational Research and Development Institute Chief Director Mr. Kenichi Arai Paid a Visit to NGE

On April 22, Benesse Educational Research and Development Institute Chief Director Mr. Kenichi Arai paid a visit to NGE, and shared information on our project. From our project, project leader Dr. Manabu Kishi, and other members, participated in the discussion. NGE explained seven skills and eight attitudes/values introduced in above article, and explained the contents of a science lesson and a physical education lesson analysis video.

Later NGE introduced the lesson video distribution system which will be used to release the materials. Mr. Arai and NGE exchanged opinions on the how to use and develop the materials. During the discussion, Mr. Arai introduced topics such as sustainability and employability in global competencies (which will be assessed in PISA 2018), development of sustainability, and employability in school education. The discussion continued on the way school education should be and other various topics.



State of the exchange of opinions

The first distinctive feature is that both elementary and junior high school teachers thought that seven skills could be fostered within many subjects. With these results, it was confirmed that cross-subject skills could be fostered through teaching subjects. It was found out that some subjects were thought to foster many skills, and other subjects contribute to foster specific skills. The second distinctive feature is that the length of bars of both the elementary and junior high schools did not show significant differences. The disposition of attitudes/values showed a similar tendency to that of skills.

From now on, based on the outcomes of this research, NGE will review on how to teach subjects, and how to foster and assess skills, attitudes/values in teaching subjects.

NEWS OECD the third Informal Working Group (IWG) meeting was held

From May 3rd to 4th, the third Informal Working Group (IWG) meeting in the OECD Education 2030 (The Future of Education and Skills) project was held in Paris. From Tokyo Gakugei University, eight members participated via the web. In this meeting, discussion on validity of conceptual framework in Education 2030, and mutual understanding in strategies of curriculum redesign was conducted. As a consequence, three elements of knowledge, skills, and attitudes/values were manifested as competencies, and conceptual framework was restructured.

From now on, discussion on concrete examples of curriculum content, and teaching three elements in the subjects will be conducted. Next IWG meeting will be held in November in Beijing.

INFORMATION Organization and members of NGE in 2016 school year

Department 1		Department 2		Department 3	
Japanese Language Education	Kazuhiro NAKAMURA	Art Education	Ryuji AIDA	Social Psychology	Shinkichi SUGIMORI
Japanese Language Education	Taisuke HOSOKAWA	Art and Handicraft	Shoji KURIHARA	Moral Education	Shigeo NAGATA
Japanese language (Oizumi E)	Shinya UEDA	Technology Education	Tadashi OHTANI	Clinical Psychology	Naohiro MATSUO
Social Studies Education	Masataka ARAI	Home Economics Education	Midori OOTAKE	School Education	Masami HAYASHI
Social Studies Education	Katsumi OSAWA	Home Economics Education	Tomoko FUJITA		
Social Studies (Koganei E)	Katsuto OGIURA	Home Economics	Rina NISHIOKA	Researchers	
Mathematics Education	Toshiakira FUJII	Physical Education	Satoshi SUZUKI	School Psychology	Kentarō TSUKAMOTO
Mathematics Education	Kouichi NAKAMURA	Physical Education	Naoki SUZUKI	Educational Technology	Yoshimitsu MIYAZAWA
Mathematics Education	Keiichi NISHIMURA	Physical Education	Naoki MATSUI	Educational Evaluation	Guxin ZHENG
Arithmetic/Mathematics (Koganei E)	Kentaro ONO	Nursing Education	Ryuji ASAKURA	English Education	Yasuko SHIMOJIMA
Arithmetic/Mathematics (Koganei E)	Kishio KAKO	Nursing Education	Masako ARAKAWA	Cognitive Psychology	Lian CAO
Arithmetic/Mathematics (Koganei E)	Takeo Takahashi	Moral Education	Shigeo NAGATA	Physical Education History	Katsutoshi FUJIKAWA
Science Education	Masahiro KAMATA	Clinical Psychology	Naohiro MATSUO	Early Childhood Education	Natsumi TANIGAWA
Environmental Science	Yukio NAKANO	Moral (Takehaya E)	Hidefumi TAKEI	Music Education	Hiroko TANABE
Science Education	Takuya MIYAUCHI	Lesson Study	Shinji SAKURAI		
Science (Koganei E)	Ken KUSANO	Integrated Studies (Ohkubo E)	Talki MITA	Secretariat	
Music Education	Masayuki NAKAJI	School Education	Masami HAYASHI	Director of General Affairs Department	Masahiro TOKORO
Music Education	Noriko ISHIGAMI	Special Activities (Takehaya E)	Junpei HORIGUCHI	Section Chief of NGE	Etsuo SUZUKI
Music (Setagaya E)	Yutaka SAITO	Special Activities (Koganei E)	Sho SHIBATA	Section Chief Assistant	Yurika KUSANAGI
Art Education	Kazumi YAMADA				
Art Education	Tokuyuki NISHIMURA	Department 2			
		Cognitive Psychology	Takahiro SEKIGUCHI		
		Educational Technology	Yasuhiko MORIMOTO		
		Educational Evaluation	Yoshiaki KAJII		

(Affiliation of teachers of affiliated schools are in 2015 school year)

Tokyo Gakugei University Next Generation Education Research Promotion Organization (NGE) Organization and members (as of 2016.05.20)

