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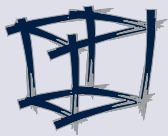
MAKING THE
21ST CENTURY
CLASSROOM
COME TRUE

VISION AND GOALS

Our vision of the 21st Century classroom is that of a technology- and data-rich environment where teachers are supported in continuously and collaboratively innovating the use of ICT for formative classroom assessment, while students engage in a wide scope of relevant learning activities and assessments, in and beyond the classroom walls.



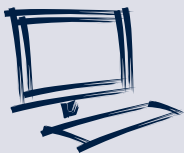
Our goals are to:



Articulate a conceptual framework for designing and implementing methods that can be used to formatively assess ICT-enhanced learning and to negotiate the assessment process amongst stakeholders.



Provide resources and ICT support for teachers and students to develop learning activities and appraisal methods appropriate for 21st Century learning based on this conceptual framework.



Provide IT support so that teachers and students have available nuanced information in a format that is supportive of decision making, thus optimizing levels of stimulation, challenge, and feedback.



Increase a school's capacity for data-driven decision making by means of leadership development, including ICT support for the strategic planning of teachers' professional development.



Foster in-service teachers' professional development by providing new methods and tools for learning from students' learning and for learning from peers' teaching.

METHODS AND TOOLS

NEXT-TELL realizes a holistic approach to school ICT innovation, providing method and tool support on three levels:

Pedagogical interactions

- Formative assessment design with tool support
- Learning activity sequence design with tool support
- Integration into class- and learning management systems (e.g., Moodle), ePortfolio systems (e.g., Mahara), cloud applications (e.g., Google Docs), immersive environments (e.g., OpenSimulator)
- Provision of advanced formative assessment methods (e.g., cbKST, RPT, ENA), including assessment of video materials
- Learning activity tracking, and knowledge level tracking using an Open Learner Model approach
- Support for teacher:student, student:student, and teacher:parent communication

Teachers' research on students' learning and on pedagogical innovations

- Mixed-methods inquiry methodology
- Research workflow planning tool
- Continuous analytics on learning activities and Open Learner Models

School leadership

- Balanced Scorecard methodology for ICT alignment
- Strategic planning support tool
- Teaching staff certification methodology and tool support

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Next Generation
Teaching, Education
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