21st-Century Vision Planning Sample

for H.S. 21+ , developed on January 1, 2009

Key Ideas and Illustrative Examples

Key Ideas	Illustrative Examples
In this column, enter six concepts that distinguish your school from others, and place it squarely in the 21st century.	*In this column, enter two examples of what students do -- in the classroom and elsewhere -- to illustrate the implementation of each key idea.*
Students work on small-group projects aimed at issues of community concern	• One group project focuses on the level of PCB's allowed by law in drinking water. Students work on the legal, environmental, and scientific aspects of this issue. • Groups meet daily with their teacher, and also at other times by themselves in specially-designed spaces.
Academic work is coordinated with group projects and across disciplines.	• A math lesson on statistical sampling coincides with the project group exercise in data sampling. • Students read Walden in the English course as they study environmental issues in their project group and in the science course.
Students use a wide array of digital communication tools to accomplish their work.	• Students conduct a WebEx videoconference with a scientist at the EPA office in the state capital, to learn more about measuring PCB levels in water. • Students make extensive use of instant messaging to coordinate their group work throughout the day.
Students present their ideas to peers, teachers, and the community through digital multimedia publications.	• Students report the results of their project study through a rich media podcast with graphs, video, tables, and animation. • Students use Flip video cameras, iPod voice recording, and an array of still images to gather and illustrate their findings.

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Students design a research experiment and collect real-time data with digital probes.	• Students connect to the online municipal drinking-water measurement station to monitor the data in real time. • Students connect various probes to their laptops in chemistry lab to measure levels of PCBs and other contaminants in water.