Highly interactive inquiry-based learning environments

SMILE Stanford Mobile Internet Learning Environment (1:1 smartphones; students posed questions

Webquest: research topic, French language and culture, write most interesting information, and do presentation, class discussion

Trust, risk, compassion, empowerment, and self-love needed to support HIILE

Probability/stats: simulations Students work with Excel to show/analyze data and create presentation of survey results

Project NANO: forensics unit for middle schools Use scanning electron microscope to examine evidence and decide who-dun-it make a case to the whole class

Webquest: students translate Shakespeare into contemporary language create skit, and post on Internet

youtube video demonstrating how to use key features of the Geogebra iPad app; groups explore concepts of slope and rates of change by dynamically linking the algebraic formula with the graphical representation and share students’ graphs

Google Earth to learn about climate. Students have list of coordintes using Google Maps and guess what the climate is like in each of the given regions. Afterwards, the actual climates would be revealed and the class could discuss the possible factors that affect different climate regions

Work stations with technology applications and other interactive resources. Use technology to support investigation and sharing of information. Also NON technology, such as group discussion and extended reading/writing