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## **Education + Technology + Innovation = Learning?**

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The full chapter is available from the Center on Innovations  
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## **Action Principles**

### **State and Local Education Agencies**

- a. Ensure equity of access to broadband Internet, for all students.
- b. Ensure that technology and digital tools work together, in concert, to produce educational outcomes.
- c. Provide administrators with training and guidelines on how to make informed decisions about purchasing equipment, technology use, educational applications, and data systems.
- d. Provide assessment and accountability systems (or guidelines for careful development) that ensure academic integrity and accurately measure the impact on students in terms of psychomotor, simple cognitive, and complex cognitive learning.
- e. Foster in-house “big data” expertise, including developing a training plan for analytical skills and the understanding of interrelationships between data sets.
- f. Collaboration with a national agency and work towards competency certification for teachers of online learning.
- g. Encourage preservice and inservice programs to provide instruction and professional development related to the application of learning science principles, including making use of work from the experimental and applied learning sciences in teaching.
- h. Encourage preservice and inservice programs to provide instruction and professional development related to the successful engineering of learning environments.

### **Schools and Classrooms**

- a. Provide ongoing professional development for all personnel on how to use technology effectively. This includes access to relevant, high-quality, interactive professional development on how to integrate the technology of tools and the technology of process into their instruction and practice.
- b. Provide all educators with training and assistance in determining what procedures and products use the most up-to-date findings from the learning sciences for effective teaching and learning.