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Uses and Effects of Mobile Computing Devices in K-8 Classrooms

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Research Questions

1. How do students use mobile computing devices?
2. Does the use of mobile computing devices affect students' motivation to learn and engagement in learning?
3. Does students' use of mobile computing devices support learning processes?

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Sample

- One middle school
 - 7th grade (n = 50); 2 classes
- Four intact classes who visited the AT&T classroom at Kent State
 - 6th grade (n = 28)
 - 4th grade (n = 41); 2 classes
 - 3rd grade (n = 16)

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Data Collected

1. User data (Rubberneck), student interviews, videotaped observations;
2. Teacher interviews, student interviews;
3. Student work samples (PAAM); student interviews, teacher interviews.

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Findings

1. **Use is varied between and within classes (personalization of devices and learning);**
2. **Motivation and engagement up, esp. for writing;**
3. **Support for learning processes is evident, esp. with regards to a decreasing gap between conceptual understandings for regular and special needs students.**