

Designing Technology for Instructors to Monitor Collaboration

Champaign, Illinois, USA

RESEARCH QUESTIONS

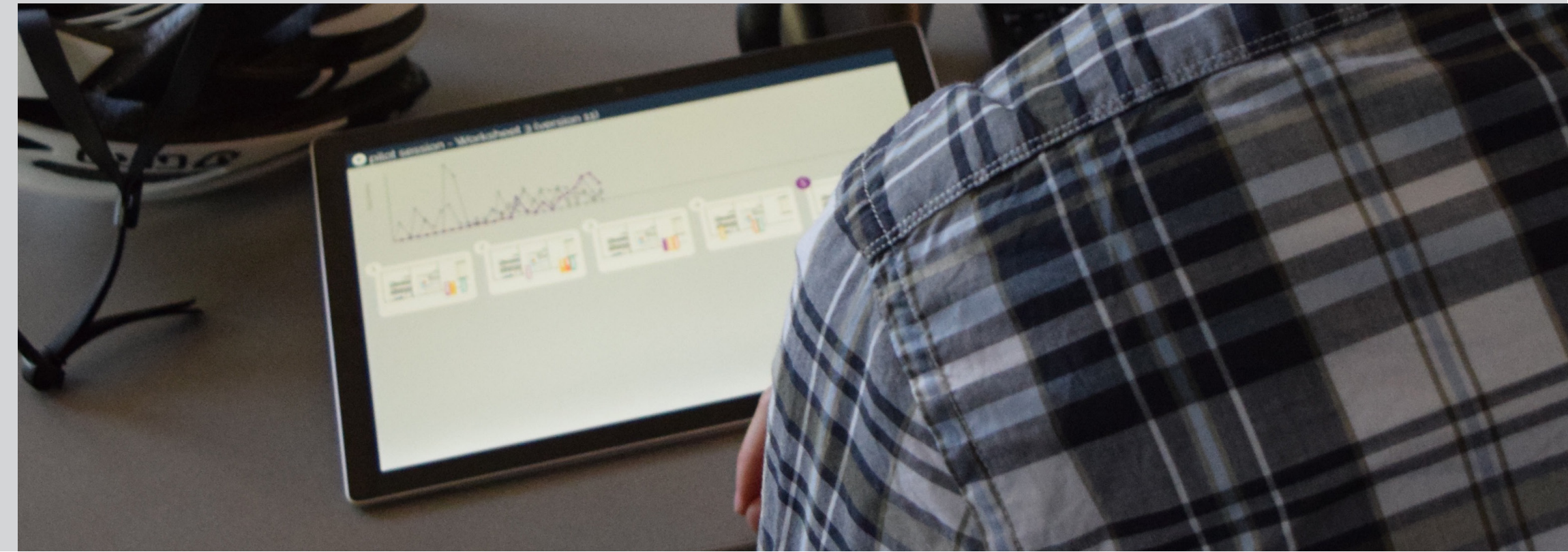
1. What do teaching assistants anticipate they need in order to successfully support collaboration?
2. How can their ideas, in tandem with design theory and classroom research, be used to inform the design of orchestration tools?

CONTEXT

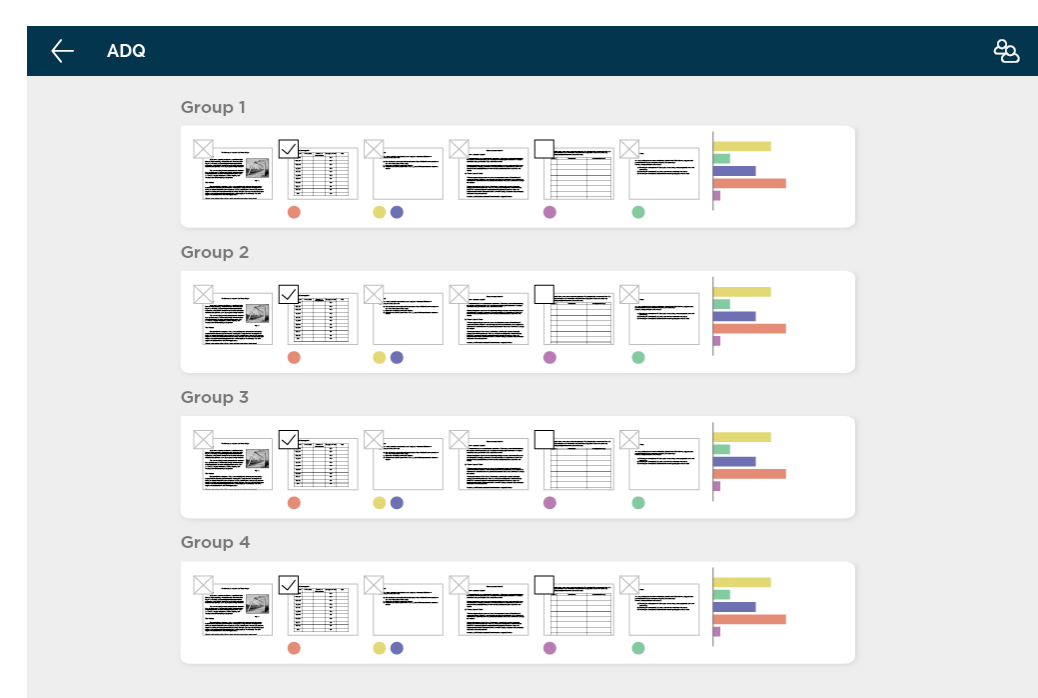
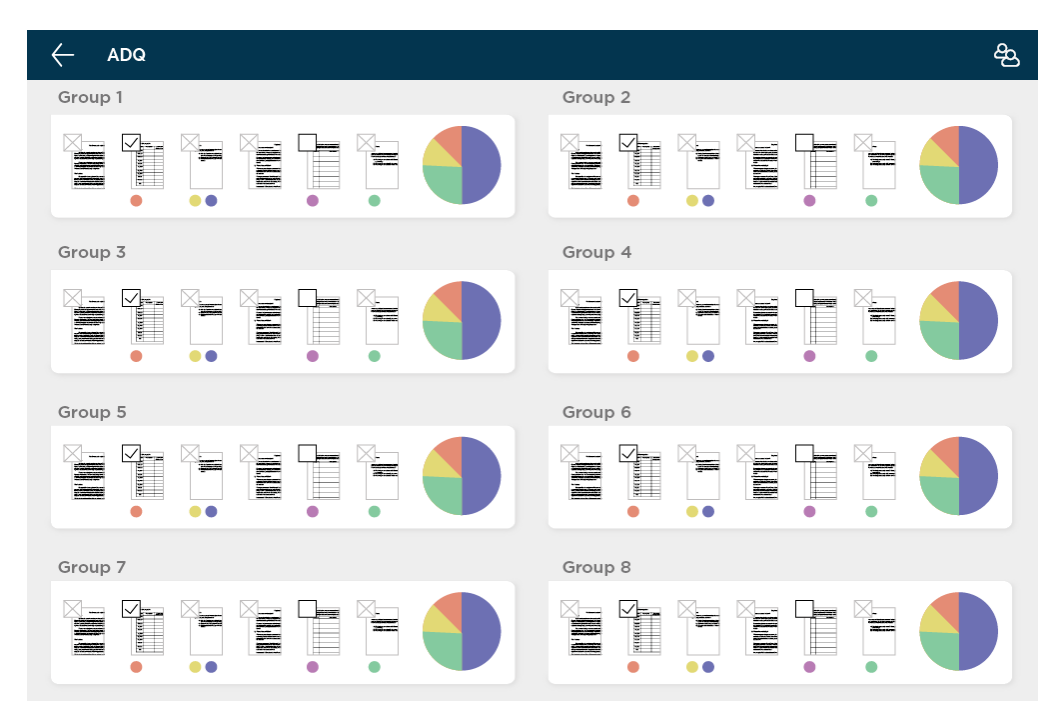
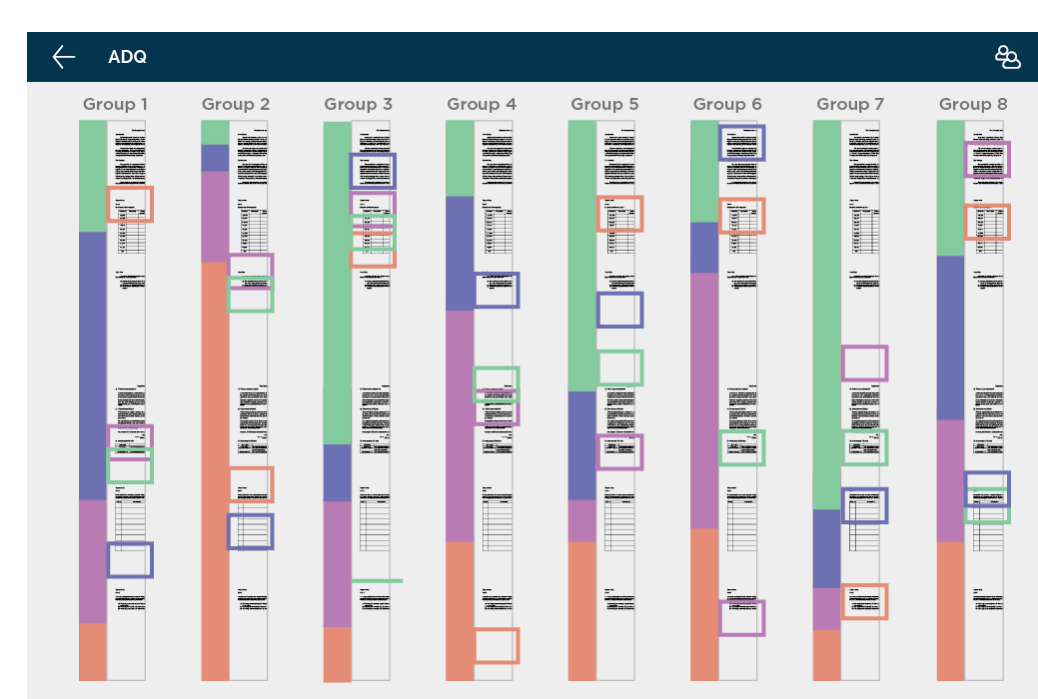
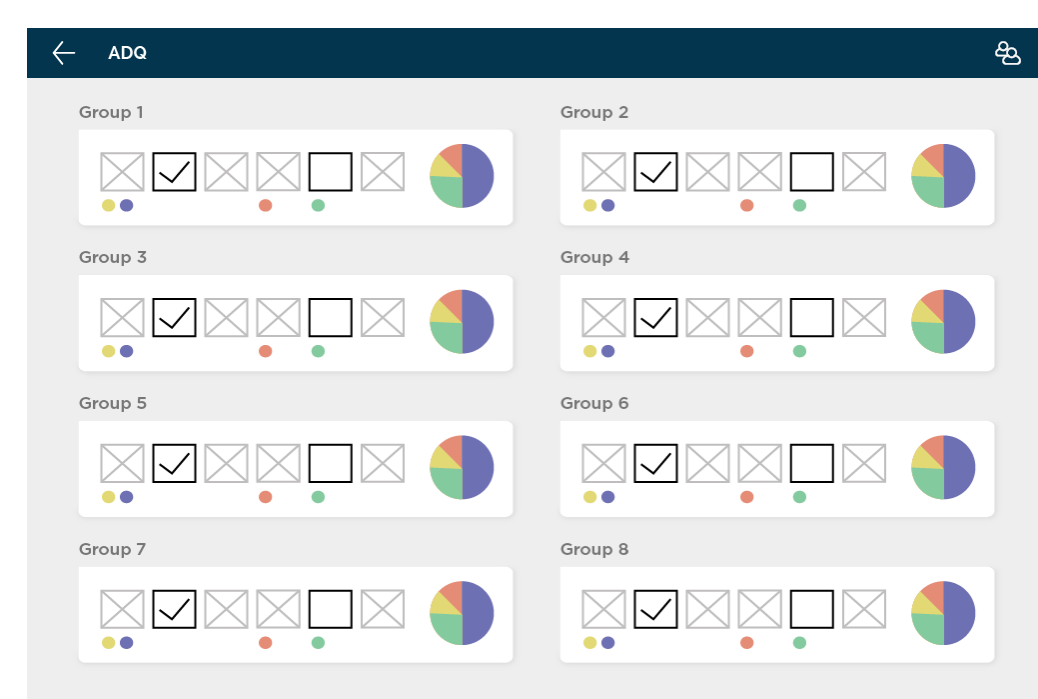
- Class*
- Engineering discussion sessions
 - Synced tablets
 - 8 groups with 3 or 4 students each
- Teacher Tool*
- Visualized group processes
 - View and project students work

VISUALIZATIONS

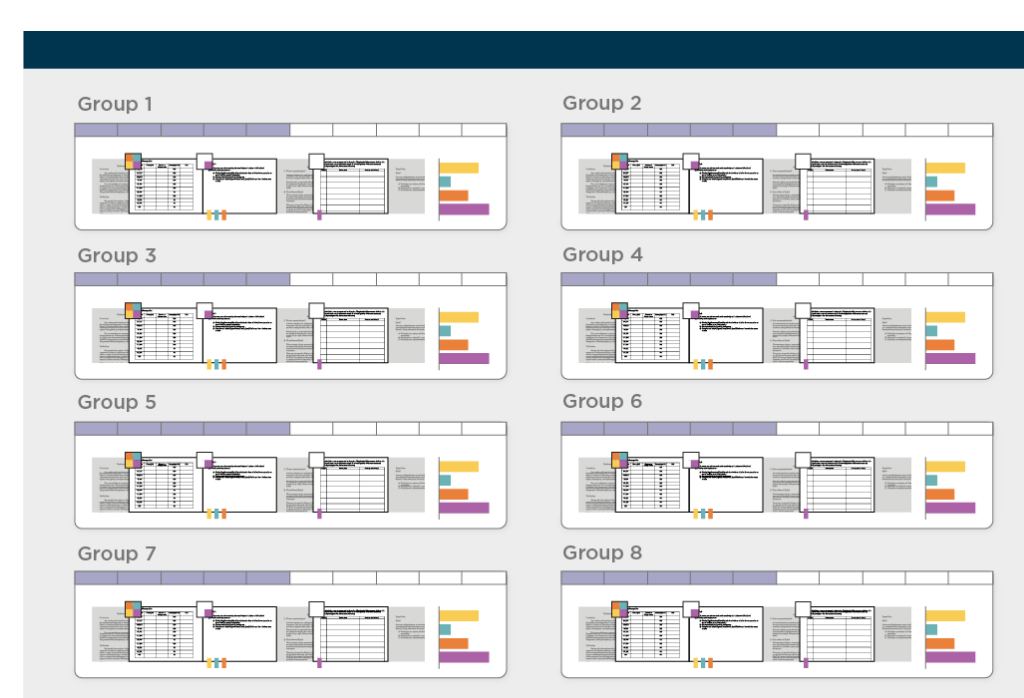
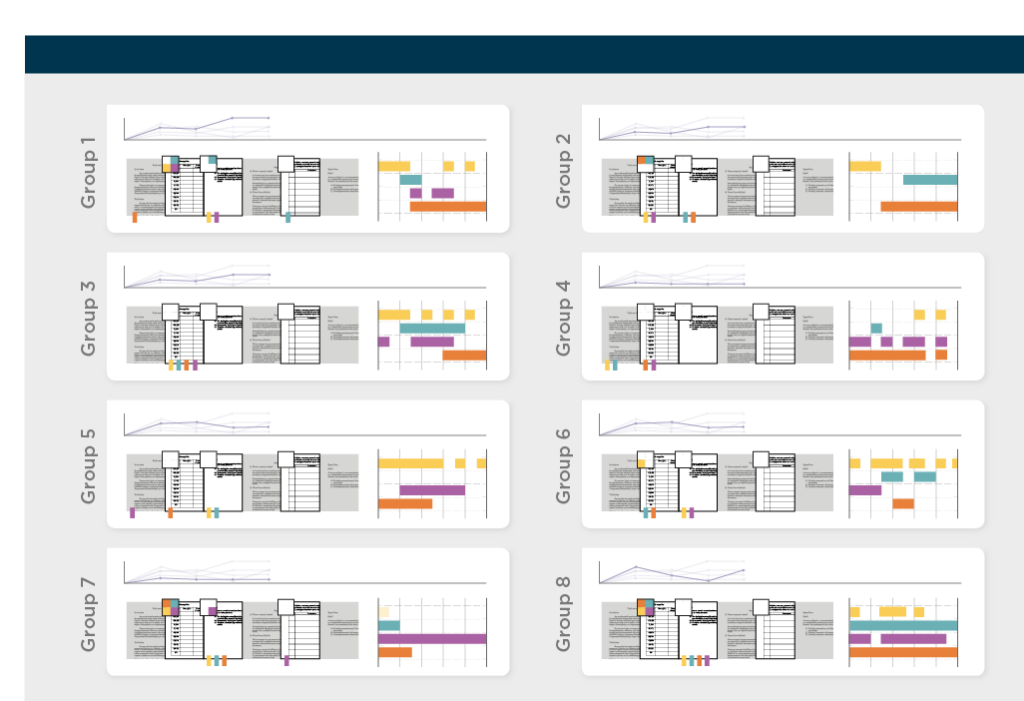
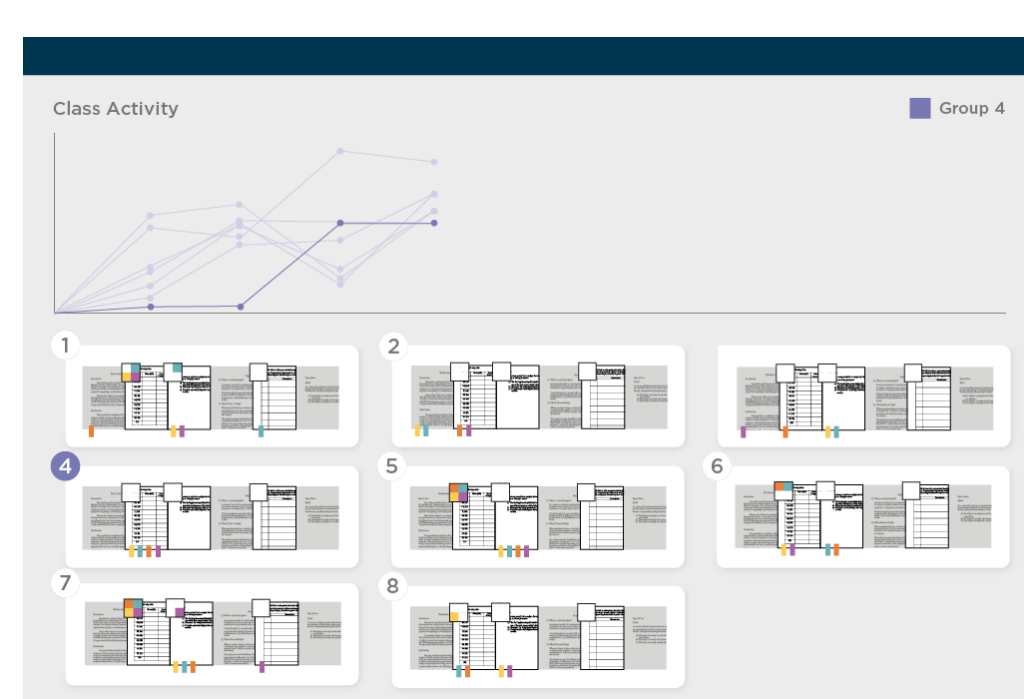
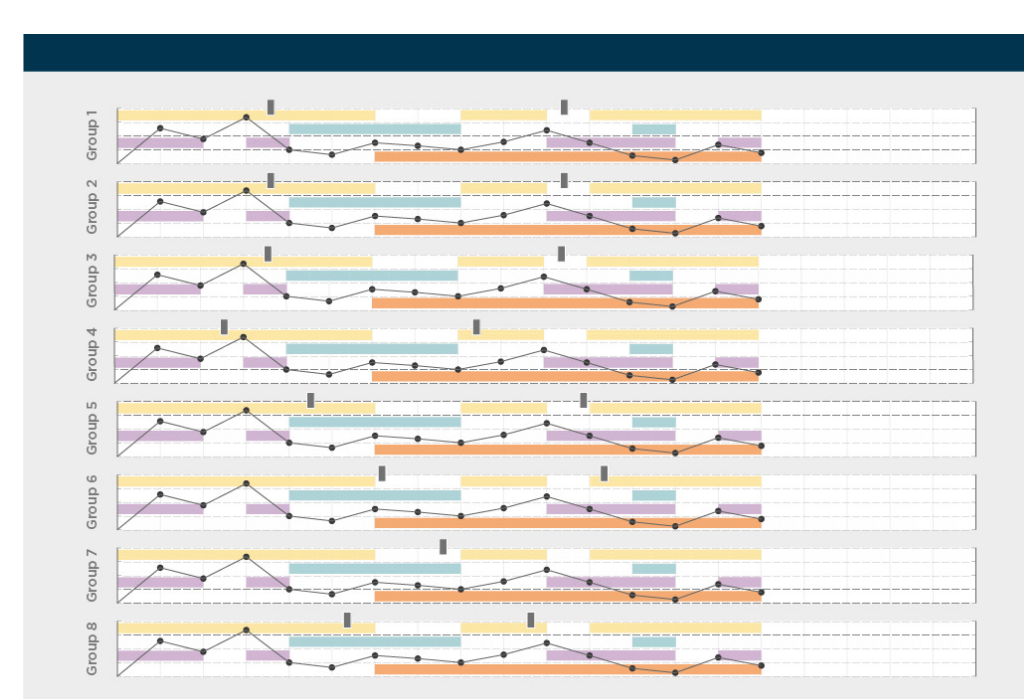
- Activity*
- How much a student has written on the tablet
- Progress*
- What pages of the worksheet the groups have completed
- Location*
- Which page of the worksheet the student is viewing



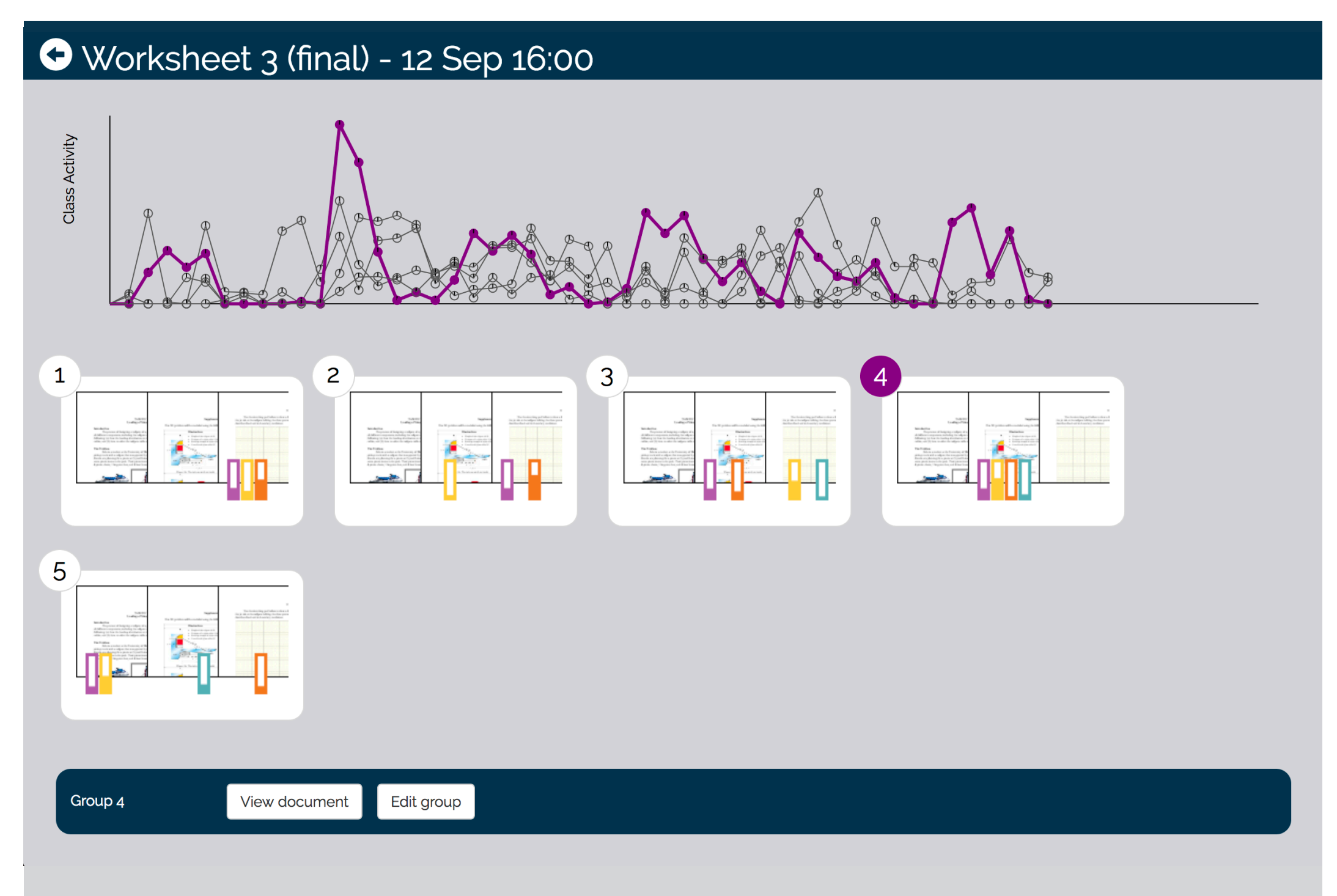
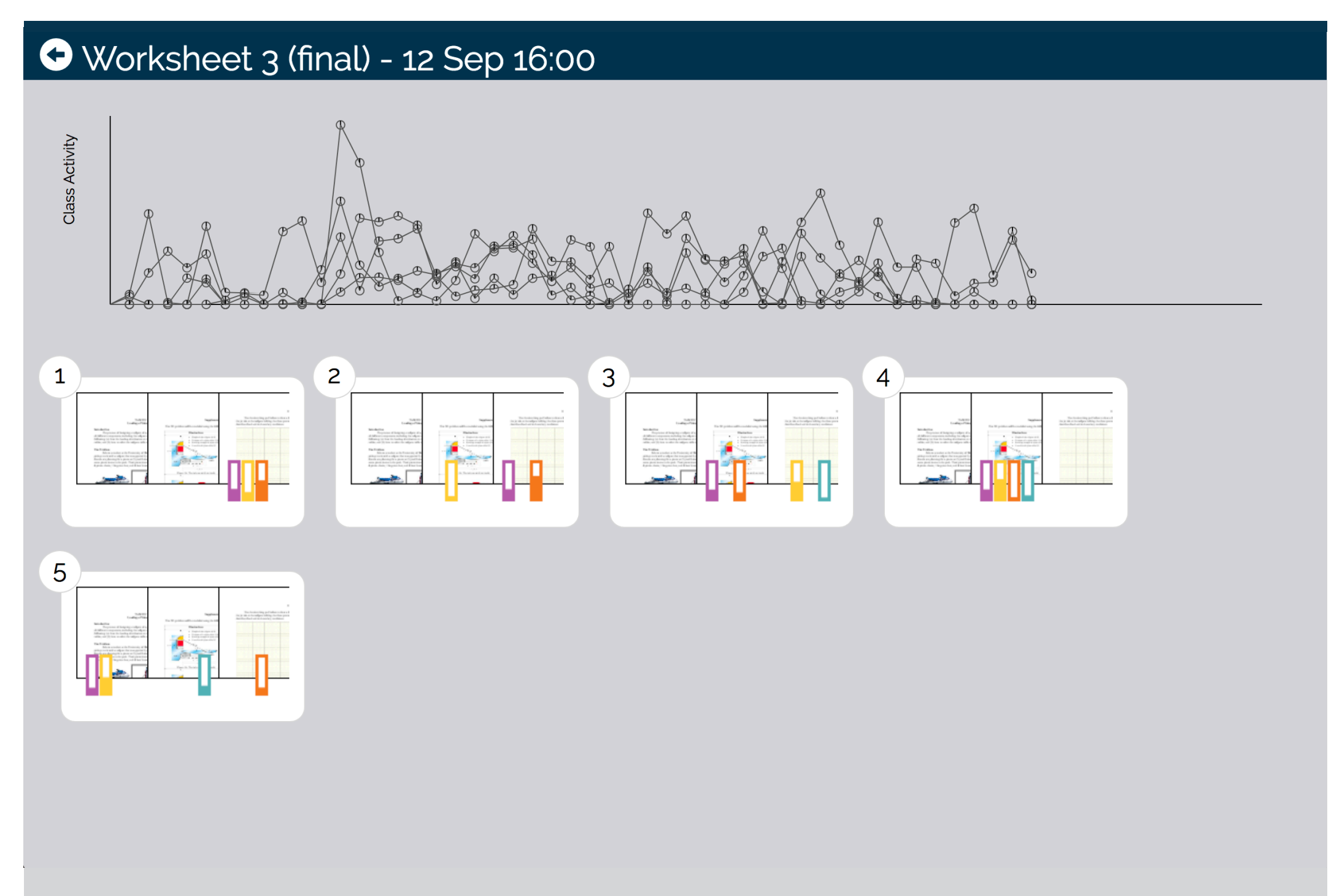
PHASE ONE



PHASE TWO



FINAL TOOL



ACKNOWLEDGMENTS

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AUTHORS

LuEttaMae Lawrence
Emma Mercier

ORGANIZATION

University of Illinois
Urbana-Champaign