

Appendix B: An example two-hour DOTS professional development event agenda

Activity	Type	Location	Resources needed
1. Introduction and open tool exploration	Introduction	Inside	PPT + DOTS Kits
2. Switch pitch Orange: Describe a time when technology impeded learning. Green: Describe a time when technology enhanced learning.	Icebreaker	Inside	Switch Pitch + 2 questions
3. Intro to Upham Woods, Framing the Day Review inquiry activities in the workbook	Lecture	Inside	PPT + workbooks
4. Inquiry Activity: 5 Second Survey	Activity	Inside	Verbal instruction
5. Intro to DOTS program and pedagogy	Lecture	Inside	PPT + DOTS Kits
6. Inquiry Activity: Right Where You Are Sitting	Activity	Inside	Workbooks and pen
7. Tool use and capabilities, how students interact as a scientific team. Describe what will happen outside.	Lecture	Inside	PPT
8. Split into two groups and go outside	Transition	Transition	DOTS kits, workbooks, clipboards, pens
9. Inquiry Activity: 5 Inches for 5 Minutes	Activity	Outside	Workbooks and pens
10. DOTS Data Collection Blitz with all tools	Activity	Outside	DOTS Kits + H2O + workbooks
11. Debrief Data Blitz and refocus on one observation for scientific story	Activity	Outside	DOTS Kits + H2O + workbooks
12. Go back inside	Transition	Transition	
13. EPA Data Collection site overview and Online Resources	Lecture	Inside	PPT
14. DOTS tools lesson planning worksheet	Activity	Inside	Workbook
15. Conclusion, Q&A, presenter feedback survey	Lecture	Inside	PPT, Feedback survey, EPA event fliers