



COMPUTATIONAL THINKING LESSON SCREENER

Math or Science Focus

What is the heart of the learning in this lesson? What are the key ideas and tasks?

What mathematics or science standards does the lesson address?

CT concept	Ways CT is already embedded	Ways CT ideas could be made explicit
<i>Abstraction:</i>		
Do students identify key information in the task?		
Do they use representations or other tools to reduce complexity?		
<i>Decomposition:</i>		
Is there a complex task or situation that students could break down?		
Can the task or situation be broken down in multiple ways?		

Patterns:

What patterns do students see within a problem?		
What patterns do students see across similar problems?		
How do students connect the work of the lesson to things they have done in the past?		

Debugging:

Do students have opportunities to reflect upon their work?		
Do they have opportunities to revise their thinking or make improvements?		

Yadav, A., Larimore, R., Rich, K., Schwarz, C. (2019). Integrating computational thinking in elementary classrooms: Introducing a toolkit to support teachers. In Proceedings of Society for Information Technology & Teacher Education International Conference 2019. Chesapeake, VA: AACE.