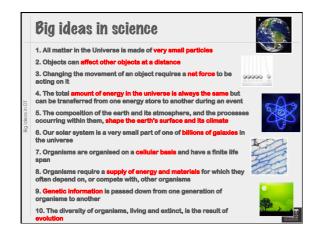
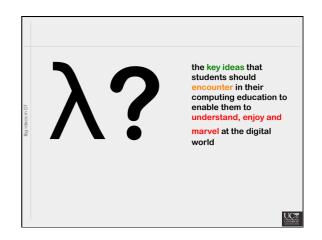


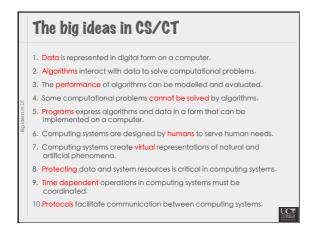
to respond to students' perceptions of science as a fragmented collection of facts and theories of little relevance to them,
 help students to explain things they find important
 basis for selection from the enormous range of possible curriculum content
 inform the development of curriculum frameworks built on progression towards big ideas

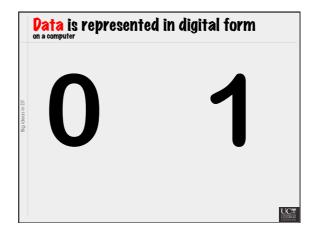


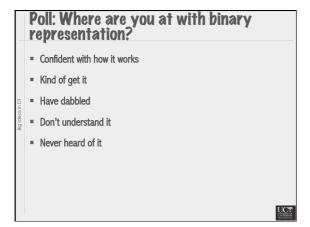






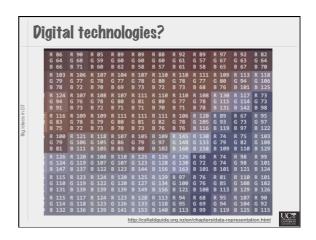


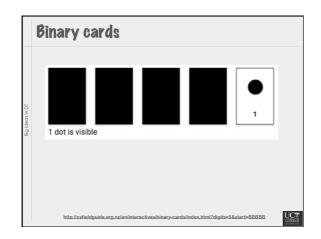


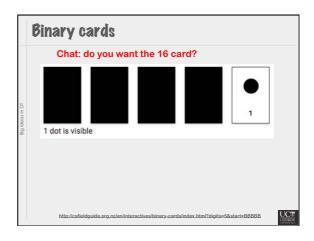


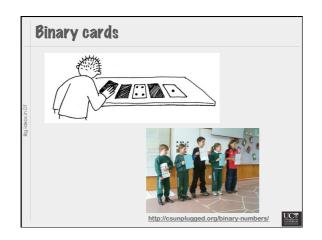


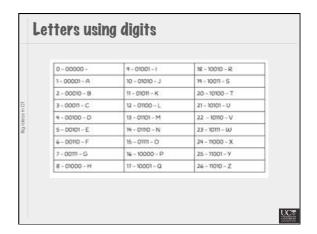






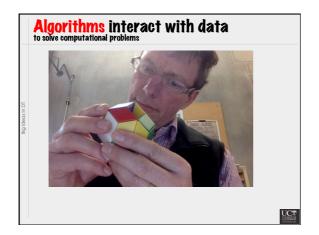




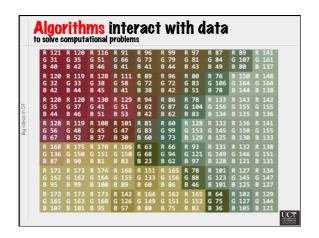


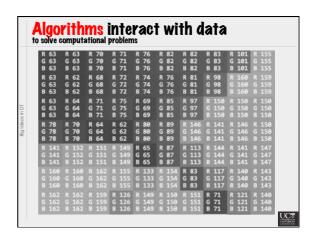
```
Algorithms interact with data to solve computational problems

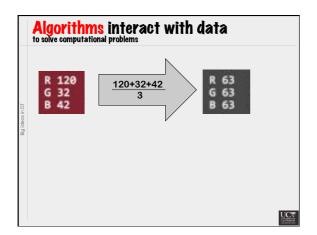
9 + 0 + 5 + 7 + 0 + 8 = (2)9
4 + 0 + 4 + 0 + 9 + 7 = (2)4
4 \times 3 = (1)2
9 + 2 = (1)1
1 + 1 = 10
```

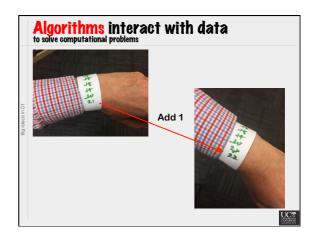






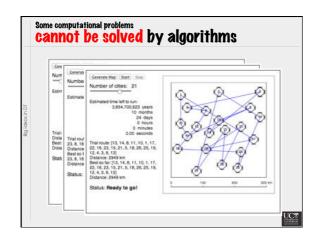




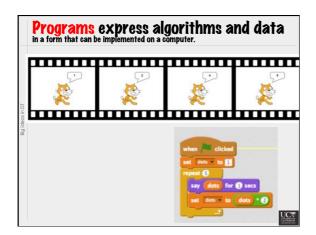


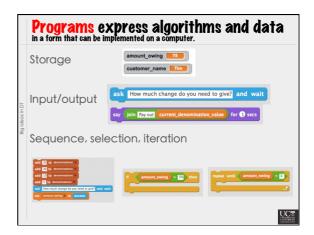


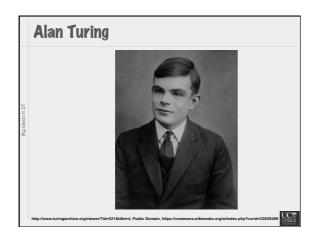








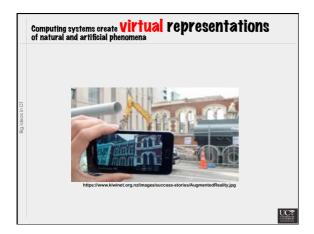


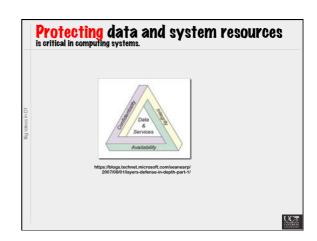


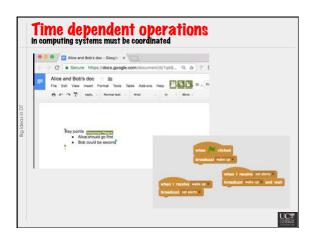


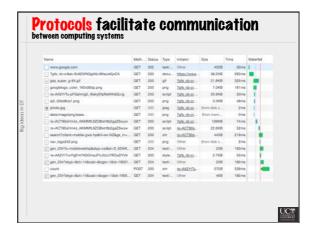


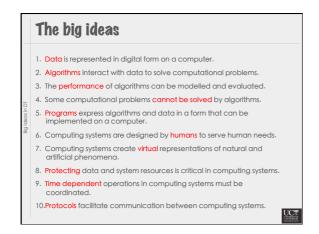














"The greatest tragedy I know of is that so many young people never discover what they really want to do."

Edna Kerr (quoted by Dale Carnegie)





