

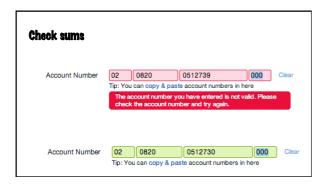
Human need: Accurate payment

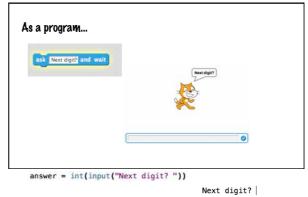
Computer science:

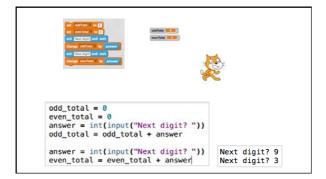
Checksum / Hash total

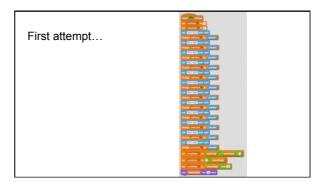
## Self checkout

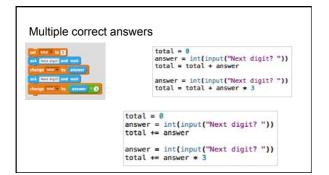




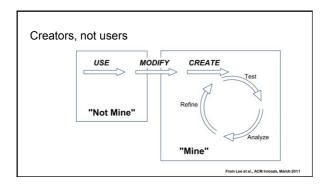


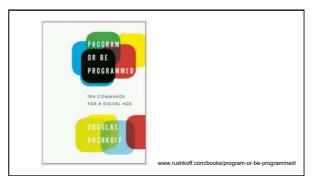




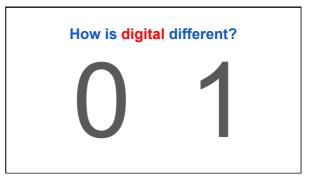


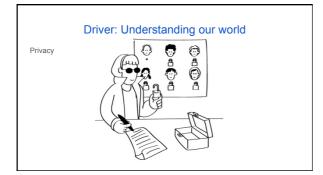




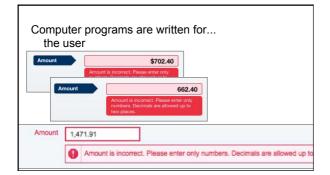


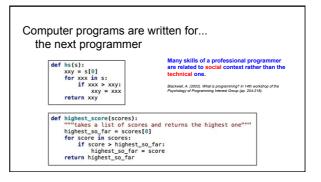














Coding is about...

people, people, people!

He aha te mea nui ki tênei ao? Māku e ki atu. He tangata, he tangata, he tangata.

## Other drivers?

Economic

Careers

Cross-curricular links/engagement



What is	coding?
Analysis	

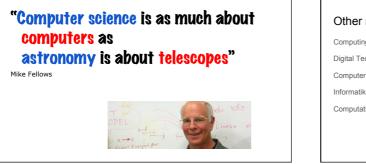
Design

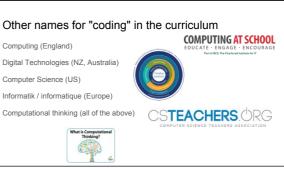
Coding Testing

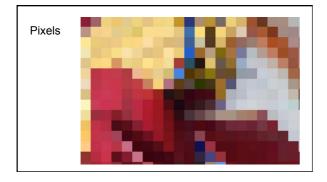
Debugging

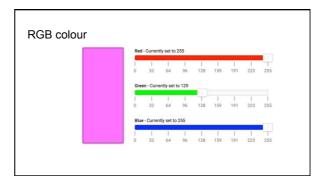
Programming		
	Google	
	Google Search I'm Feeling Lucky	\$
	Google.co.nz offered in: Mãori	

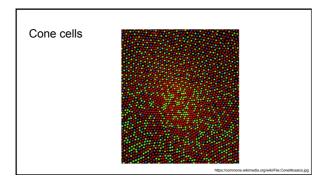
Computer Scie	nce
Making software that is	
fast	A why are computer scientists
efficient	why are computer scientists - Google Search     why are computer scientists important
reliable	<ul> <li>why are computer scientists important</li> <li>why are computer scientists rich</li> </ul>
secure	Q, why computer scientists count from zero Q, why do computer scientists confuse halloween and christmas
usable	, why do computer scientists need math
scalable	
delightful	
intelligent	
visual	











24 bit	24 bit colour	Goal colour	
Red - 8 bits for red set to 00010010			
Green - 8 bits for green set to 01011011			
Blue - 8 bits for blue set to 00101001			
Bit representation - Click a bit to toggle its value			
000100100101101	100101001		
Need help finding the correct values?			
All help given			
Now try matching the same goal colour with the 8 bit	sliders.		
Now try matching the same goal colour with the 8 bit 8 bit	8 bit colour	Goal colour	
		Goal colour	
8 bit		Goal colour	
8 bit Red-3 bits for red set to 001 Green -3 bits for green set to 010		Goal colour	
8 bit Red -3 bits for red set to 001		Goal colour	
8 bit Red-3 bits for red set to 001 Green -3 bits for green set to 010		Goal colour	

