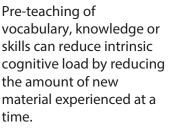
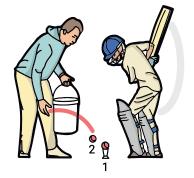
## Part 2 Cognitive Load | Pt 2 Chapter **SUMMARY** 22 What Every Teacher Needs to Know by Jade Pearce | illustrated by Zeph Bennett Goal-free problems Collaborative learning combines pupils' working reduce this cognitive memory capacity. This means collaborative load as pupils do not learning can reduce cognitive load when have to hold the goal, compared to trying to complete complex tasks where they are in individually. relation to the goal and what needs to be done next to achieve the goal in their working memories. The strategies that reduce cognitive load for novices Using human movement to learn can lower become ineffective or can have a negative impact on cognitive load. This includes gesture and learning for more expert learners. Here, minimally guided physical object manipulation. instruction and problem-solving are more effective. Devoloping Intuitive ning Pa

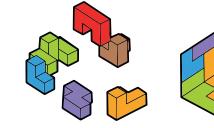
Segmentation

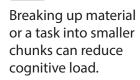
The Expertise Reversal Effect

Goal Free Effect









A part-whole approach teaches each element of a skill or body of knowledge individually, before putting them together. A whole-part approach is where an overview is provided before practice of individual elements, may also be beneficial in showing pupils the 'big picture'.

