DUAL CODING
WITH TEACHERS
THE COURSE

GRAPHIC ORGANISERS MIND MAP

A mind map is not special, creative or magical. It is no more than a tree diagram radiantly arranged around a central title, with curvy lines. That's all.

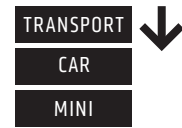**FROM HORIZONTAL TO VERTICAL ORGANISATION** | CAR | TRANSPORT | MINI

Words live in hierarchies. Look up a word in the dictionary and you will be told what that word is part of (superordinate category — more general) and what it consists of (subordinate category — more specific).

INDUCTIVE APPROACH

| TRANSPORT |
| CAR |
| MINI |

⬆

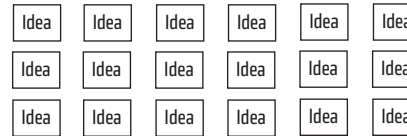**DEDUCTIVE APPROACH**

| TRANSPORT |
| CAR |
| MINI |

⬇

INDUCTIVE METHOD

1

Collect the content
Devote a sticky note for each idea. Capture the idea with a keynote (or two if needed).

Idea	Idea	Idea	Idea	Idea	Idea
Idea	Idea	Idea	Idea	Idea	Idea
Idea	Idea	Idea	Idea	Idea	Idea

2

Divide up into smaller groups
Physically group the ideas that seem to belong together because of shared attributes. Then title these groups.

Title 1

Idea	Idea
Idea	Idea
Idea	Idea

Title 2

Idea	Idea	Idea
Idea	Idea	Idea
Idea	Idea

Title 3

| Idea | Idea |
| Idea | Idea |

3

Continue the process
Explore finding smaller groups within the larger group and arrange them underneath.

Title 2

| Idea | Idea | Idea |
| Idea | Idea | Idea | Idea | Idea |
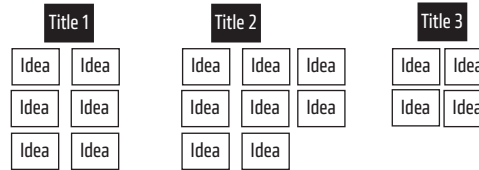
4

Draw the mind map
Maintain the hierarchies you have established but convert their graphic format to mind map branches.

DEDUCTIVE METHOD

1

Identify the main branches
Devote a sticky note for each idea. Capture the idea with a keynote (or two if needed).

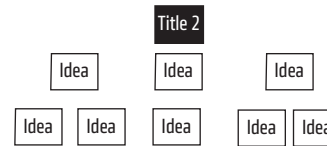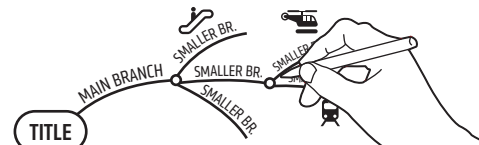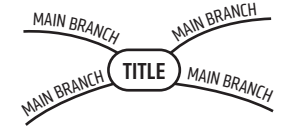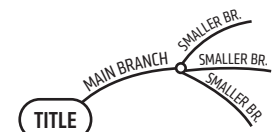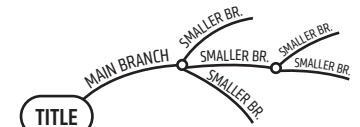**2**

Break them down into smaller ones
Physically group the ideas that seem to belong together because of shared attributes. Then title these groups
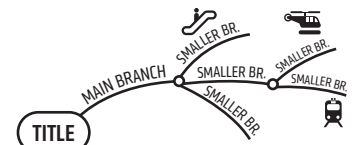

3

Continue the process
Explore finding smaller groups within the larger group and arrange them underneath.

4

Add additional visuals and colour
Now is the time to see if you can include charts or timelines and maybe add colour and icons.

GETTING BETTER →

DO
- Provide a mind map at the start of a topic
- Refer to the mind map as you progress through the topic
- Review the topic at its completion with the original map
- Scaffold a mind map to aid students creating their own

DON'T
- Allow students when at the novice stage to mind map
- Make your mind maps too complicated
- Base your mind maps on associations — hiearchies only!
- Over-emphasise the status of colour or imagery

TRY
- Using sticky notes to work inductively
- Explain your thinking about the hierarchies in the mind map
- Showing simple mind maps, before more detailed ones
- Converting mind maps to outline plans for writing