

DUAL CODING WITH TEACHERS THE COURSE



GRAPHIC ORGANISERS SOME OTHERS

Graphic organisers have fallen in and out of fashion over the decades. They're too important for that as they reveal the structure of subject knowledge.



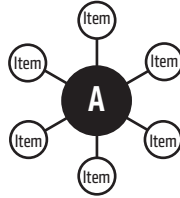
Preparing the organiser

Just as writing is nearly always of a better standard if you make plans, so with graphic organisers a bit of preparation can help enormously.

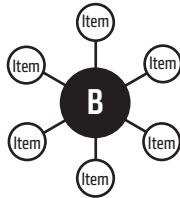
Before starting assembling the organiser, collect all the thoughts and facts you want to include in it. Either write them all out on a separate sheet of paper or, better still, write each onto a separate sticky note. That way, not only will you have segmented the collecting of ideas from organising them, you will have the means to change your mind by moving your ideas around into different configurations.

DOUBLE SPRAY: COMPARE

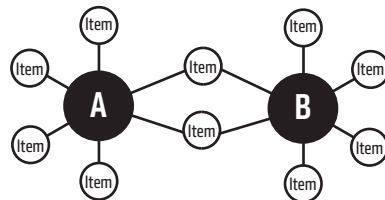
1 Create a spray of topic A
Place items related to topic A in circles and arrange them linked around the centre.



2 Create a spray of topic B
Place items related to topic A in circles and arrange them linked around the centre.

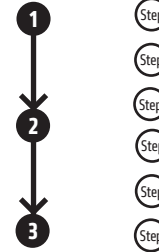


3 Join the two sprays
Identify the items that are shared between both topics, A and B. Place them inbetween the two topic circles and join them to both. Leave the items that are different on the side.

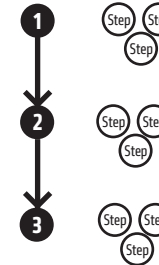


FLOW SPRAY: SEQUENCE

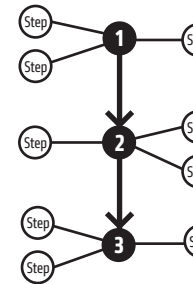
1 Select key steps
See if there are events in the flow chart that stand out as being more important than others. If so, create a smaller flow chart and keep the non-selected to the side (for now).



2 Or... name grouped events
Group the events into chunks and find a name that describes this new collection of events. Draw up the flow chart with these names alone, with the events to the side for now.

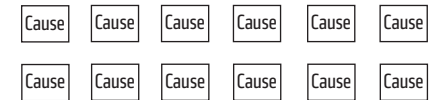


3 Group smaller steps together
The less important events, left to the side, can now be connected to whichever of the main events is most relevant.

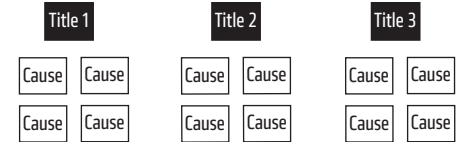


FISHBONE DIAGRAM: CAUSE & EFFECT

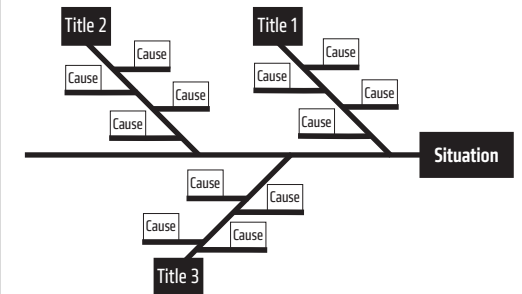
1 List causes on separate sticky notes
Using sticky notes allows you to move them about in the following process.



2 Group notes and title the groups
Physically group the causes that seem to belong together because of shared attributes. Then title them.



3 Draw the diagram
Write down the causes in the groups created, forming the causal branches.



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GETTING BETTER



DO

- Make the task dictate which organiser to use
- Use the organiser at the start of a topic (advance organiser)
- Explain how you organised the information, step by step
- Scaffold the organiser to aid students creating their own

DON'T

- Work simply from your favourite organiser whatever the task
- Assume students can create an organiser when novices
- Make your organisers too complicated
- Forget to add your step-by-step explanations

TRY

- Explain how knowledge is can be organised in different ways
- Teach students how to identify the four structures
- Use organisers as a speaking & listening framework
- Use organisers as part of retrieval practice – redraw them