Seeing what they think

Using MAXQDA to explore how concept maps work







CONTEXT

Assessment Literacy

In England around 40,000 teachers work as examiners each year. They are responsible for assessing school and college students' examinations.

Our life experiences of assessment — our history of being assessed and of assessing others — all influence our assessment literacy

Our assessment knowledge

Our beliefs and feelings about assessment

Our assessment skills

How do concept maps work?

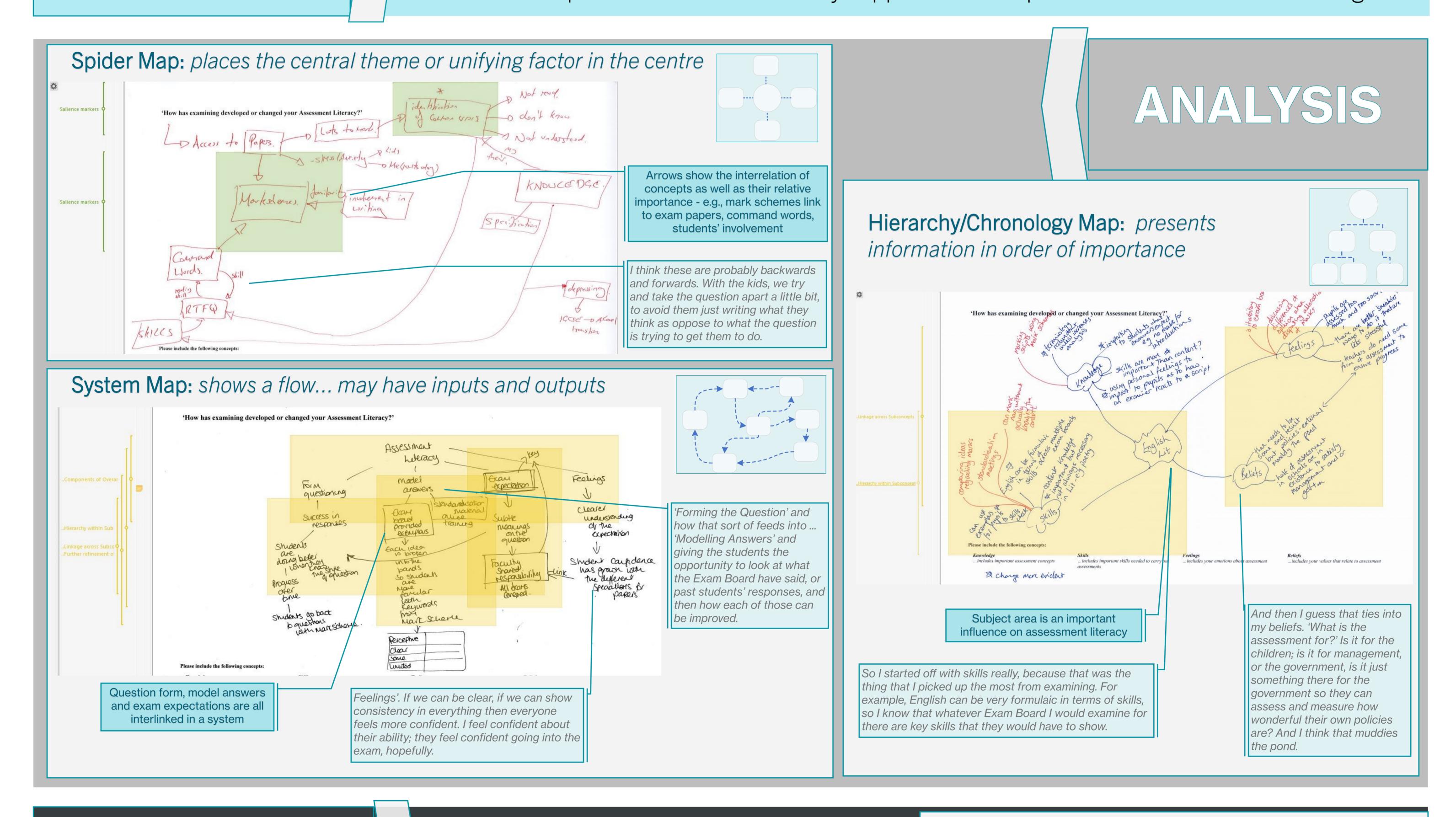
PROJECT AIM

METHOD

We worked with 8 teachers. We asked them to make concept maps using the question:

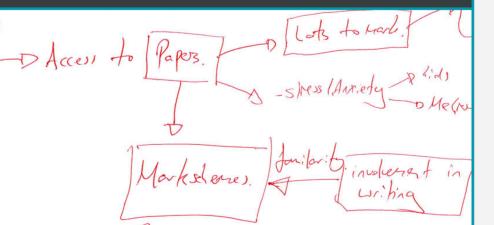
How has examining developed or changed your Assessment Literacy?

We then carried out narrative interviews. We used MAXQDA to analyse and code the components of the maps to understand how they supported and represented the teachers' thinking.



DISCUSSION

Conceptual salience



They allow the participant to move from conceptual simplicity to conceptual complexity

...diagrams help participants to simplify complex ideas by reducing their cognitive load during the elicitation process

3 affordances of concept maps

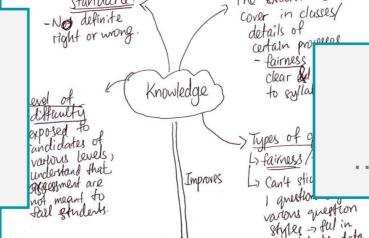
Conceptual directionality/cause



They allow cohesive narrative construction

...its structural composition falls somewhere between the characteristics of linear, verbal language and the characteristics of open-ended visual representations

Subcomponents of assessment knowledge



They help the participant to maintain self-regulation and focus

...visually mediated encounters elevate the role of the participant to a position of expertise