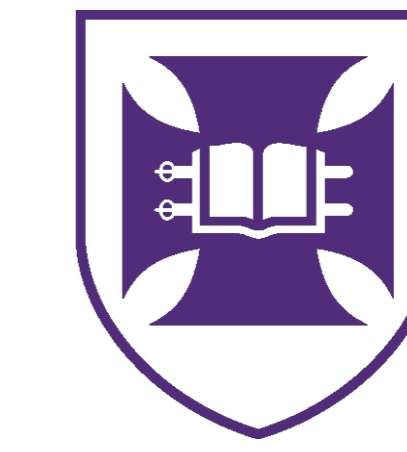




Ravenswood

# Fostering a Curious Mindset

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## BACKGROUND & CONTEXT

- Independent, Uniting girls school, Prep - Year 12
- Principles: *Respect, Courage, Excellence, Optimism & Compassion*
- Positive Education School
- Growth Mindset culture

### Common concerns:

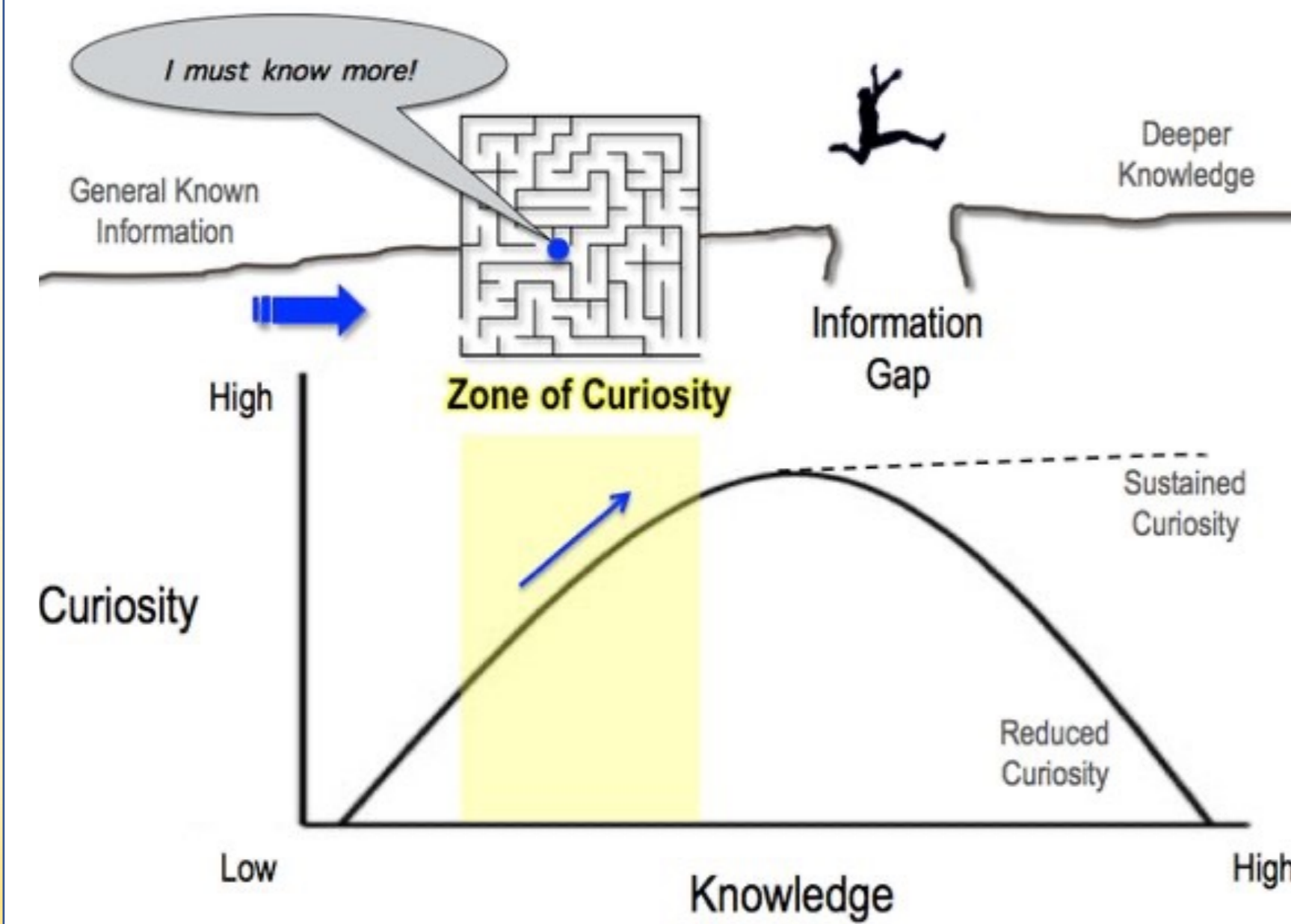
- Performance oriented.
- Passive, compliant, risk adverse.
- Ineffective feedback engagement.
- Growing student anxiety

**Funnelling focus: CURIOSITY** – “a physiological state that includes three components :

- Recognition of an information gap.
- Anticipation that it may be possible to close it.
- An intrinsically motivated desire to do so.” (Pekrun, 2019, p. 905)

### Promoting Curiosity:

- ✓ Encourages a student-centred feedback model
- ✓ Fosters knowledge building and risk taking
- ✓ Supports flexible, adaptable, growth mindset.
- ✓ Important contributor to academic achievement.



Loewenstein's information-gap perspective of curiosity (p. 89)

## RESEARCH QUESTIONS

To what extent are our students curious?

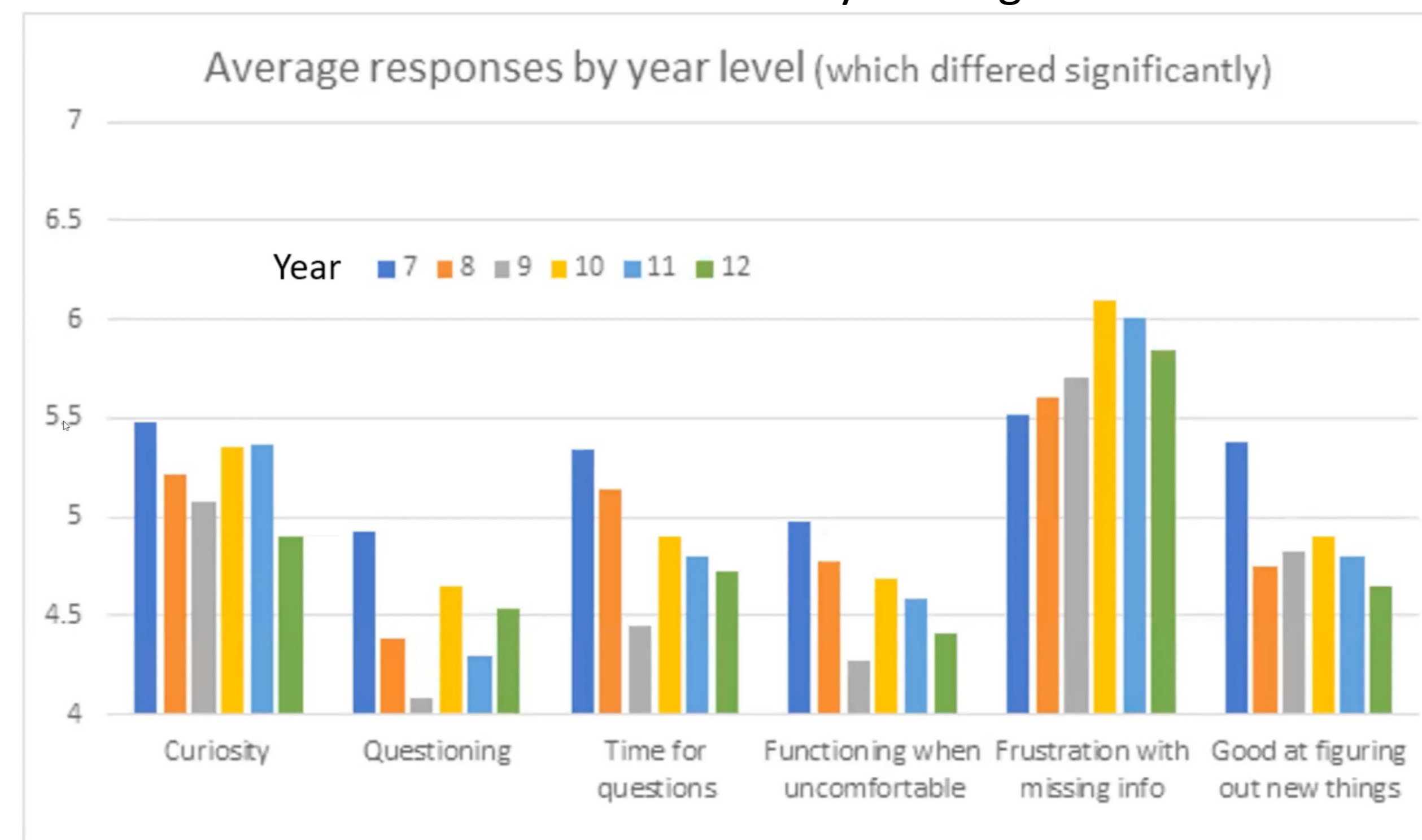
How can learning experiences be designed to promote student curiosity across subjects in Years 7 – 12?

## METHODS

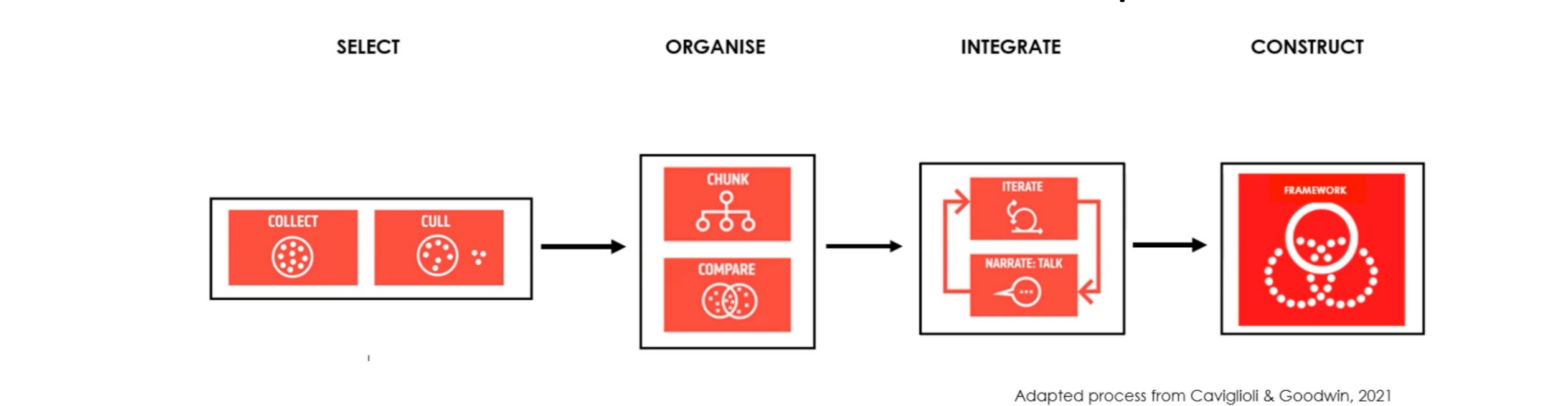
	Phase 1	Phase 2
Participants	Students Years 7-12	Teachers
Procedure	Survey	Focus groups
Process	Mentor group time, Term 2, 2021	Meetings
Measures	Scale: 1= strongly disagree to 7 = strongly agree	
	<ul style="list-style-type: none"> <li>• I find it fascinating to learn new information.</li> <li>• I really like to ask questions about all sorts of things.</li> <li>• I feel frustrated if I can't figure out the solution to a problem, so I work harder to solve it.</li> </ul>	

## ANALYSIS & RESULTS

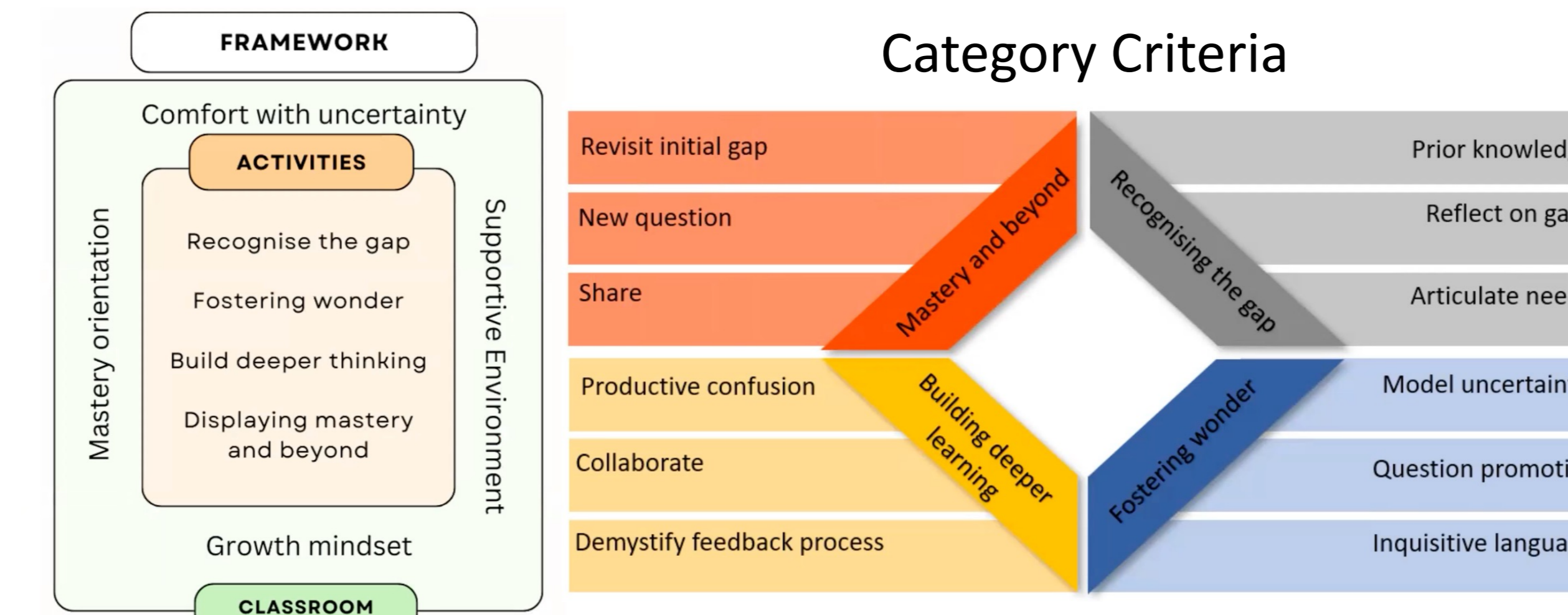
### Phase 1: Preliminary Findings



### Phase 2: Teacher Focus Groups



Adapted process from Cavignoli & Goodwin, 2021



## RESULTS

### Recognising the Gap

#### Criteria:

- Identify prior knowledge
- Reflect on information and/or skills gap
- Articulate their needs going forward

#### Strategy Examples:

- Give one, get one
- See, think, wonder
- Four corners

### Fostering Wonder

#### Criteria:

- Model comfort with uncertainty
- Safe environment for questioning asking
- Inquisitive and open-ended language

#### Strategy Examples:

- Expanding image
- Question Formulation Technique (QFT)
- Three Acts

### Building Deeper Thinking

#### Criteria:

- Facilitate product confusion
- Collaborate with peers and share expertise
- Demystify the draft and feedback process

#### Strategy Examples:

- Problem based learning
- Peer feedback conference
- Socratic circles

### Mastery & Beyond

#### Criteria:

- Revisit the initial gap in knowledge
- Identify new questions moving forward
- Sharing their new knowledge

#### Strategy Examples:

- Showcasing & Debating
- Future problem solving
- Orbispace

## CONCLUSIONS & NEXT STEPS

### Key Learnings:

- Don't assume
- Our students are curious, but risk adverse
- Teachers have strategies
- Limited research in curiosity for classroom teachers

### Next Steps:

- General classroom environment
- Curious mindset and motivation
- Intervention-based study
- Curiosity Profiles