



Oide

Tacú leis an bhFoghlaim
Ghairmiúil i measc Ceannairí
Scoile agus Múinteoirí

Supporting the Professional
Learning of School Leaders
and Teachers

Numeracy Across the Curriculum

Collaborative Series - Session 2





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Numeracy Support

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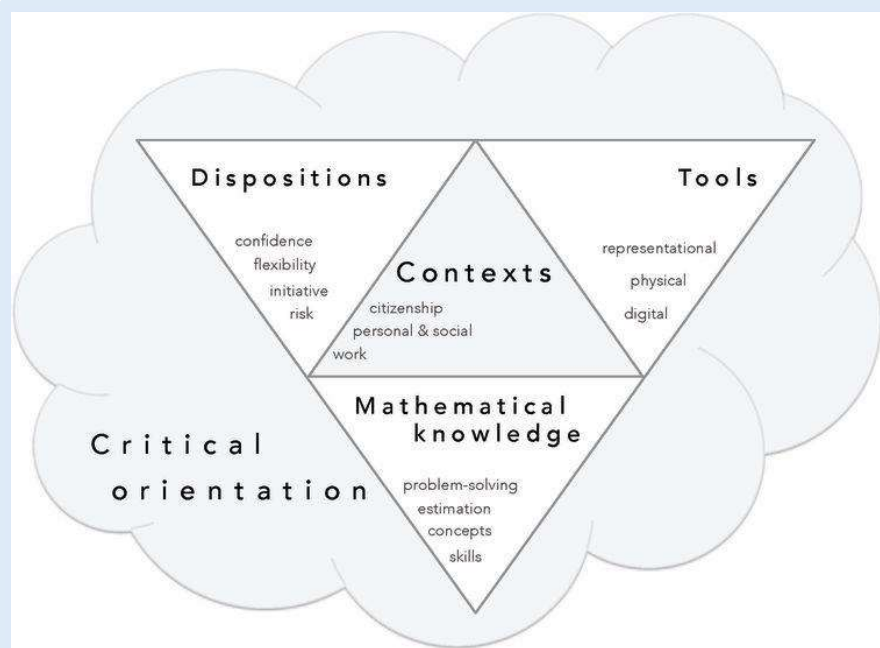
Recap

- As a teacher, we need to be aware of where the Numeracy opportunities and demands are in our subject area
- It is the responsibility of all teachers to support student's Numeracy learning, not just the role of the mathematics teacher
- Numeracy learning does not happen in every lesson, but it is essential in every subject



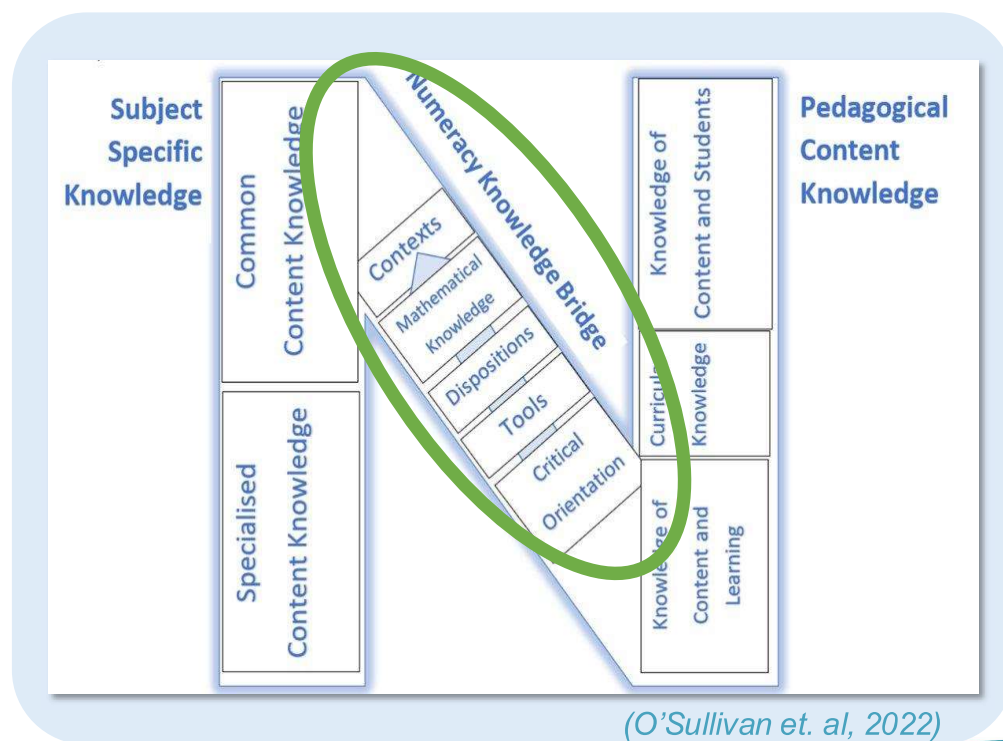
Supporting Numeracy

The 21st Century Model of Numeracy



(Goos et. al, 2018)

The N Framework



(O'Sullivan et. al, 2022)

Question 10

Look at the images below and match the correct number with the **Spanish** phrase.



	NÚMERO
Tener sueño	
Cortarse el pelo	
Tocar el piano	
Hacer equitación	
Dar un paseo con el perro	
Ir al gimnasio	

Context

Mathematical Knowledge

Dispositions

Tools

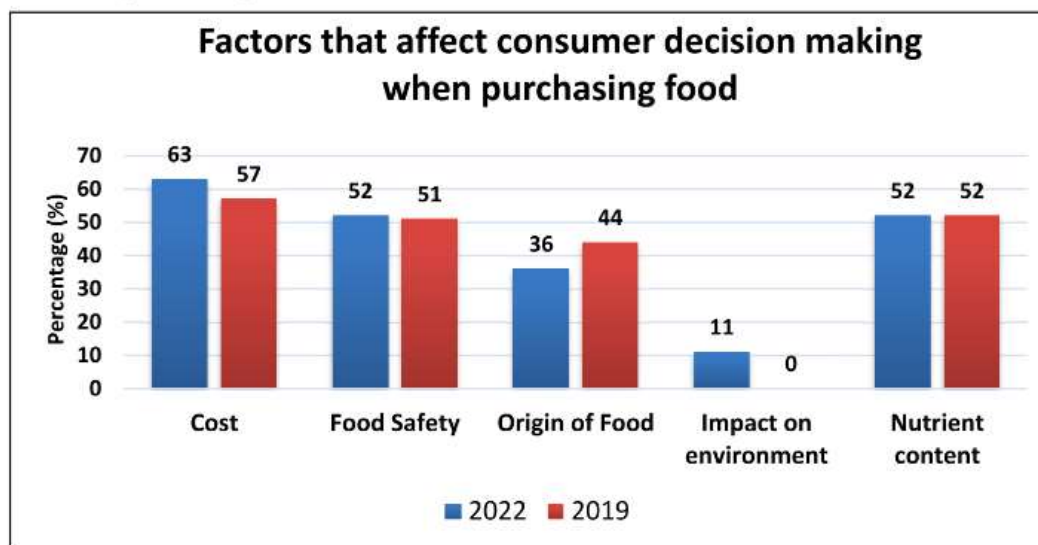
Critical Orientation



Home Economics

Question 1

The Eurobarometer survey 2022 and 2019 questioned consumers on factors that affect their decisions when purchasing foods.



(adapted from www.efsa.europa.eu)

- (a) Using the information provided in the chart, comment and elaborate on **four** factors that affect consumer decisions when purchasing food. (20 marks)

Context

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Learning Intentions

- Consider ideas for integrating numeracy within and across subjects in the short term
- Explore how AI could be used to support planning
- Create a learning experience that integrates numeracy knowledge in my subject



Discussion

- Can students articulate what being numerate means?
- What numeracy opportunities and demands arise in your subjects over the coming weeks?
- What learning experience could students engage with that would integrate numeracy in your subject?
- Is there an opportunity to highlight a common numeracy demand across subjects?





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Design a Learner Experience

Create a learner experience to that integrates numeracy within your subject context

Success Criteria

By the end of this activity, I will have:

- Identified a concept to explore in the coming weeks
- Integrated the five dimensions of numeracy knowledge in my learning experience
- Included learning intentions and success criteria to scaffold the experience
- Decided what resources are needed (physical and/or digital)
- Factored the class context into my design
- Adapt the task for diverse learners
- Used an AI tool to support planning





Using Digital Technology

Use the RASE model to create a prompt in AI to support:

- Idea generation
- Collaboration
- Resource generation





Next steps...

- ☑ Email a summary of the experience
- ☑ Schedule and deliver the learning experience
- ☑ Obtain feedback from the students
- ☑ Summarise your experience of integrating numeracy in your subject in a short presentation





Sharing your experience

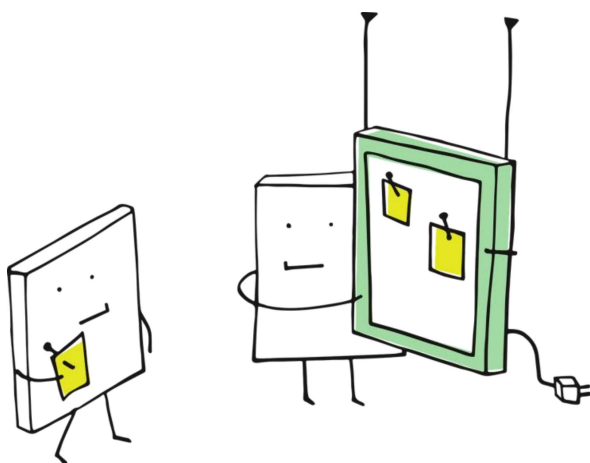
Consider the following for inclusion in your presentation (5 mins):

- ☒ Numeracy opportunities and demands your subject
- ☒ Opportunities for collaboration with other teachers if applicable
- ☒ Experience of integrating numeracy in the classroom
- ☒ Experience of collaborating with other teachers
- ☒ Experience from a student perspective of engaging with numeracy
- ☒ Experience of using AI tools to aid planning and collaboration





Resources



<https://tinyurl.com/Numeracyacrossthecurriculum>