



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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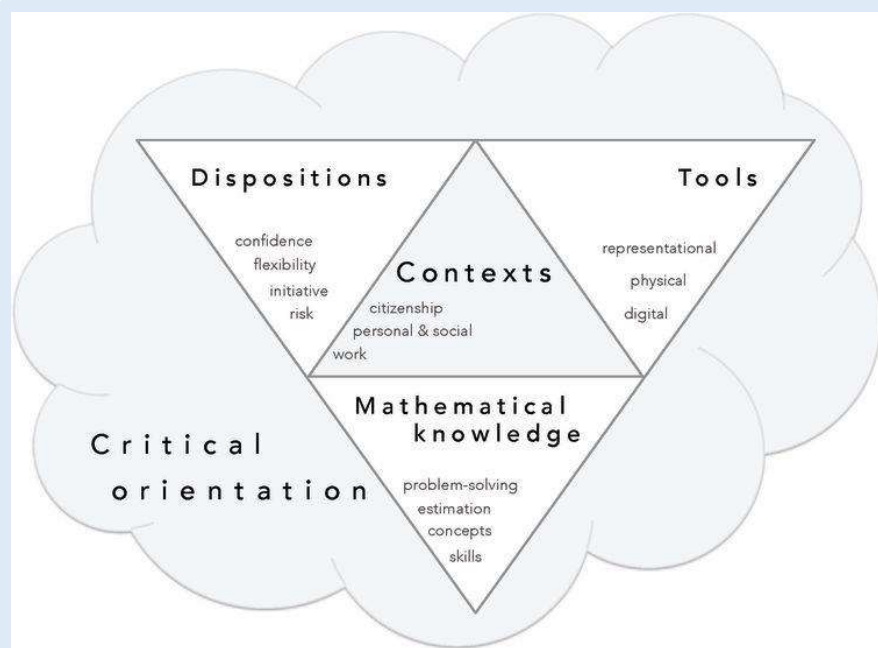
Recap

- 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



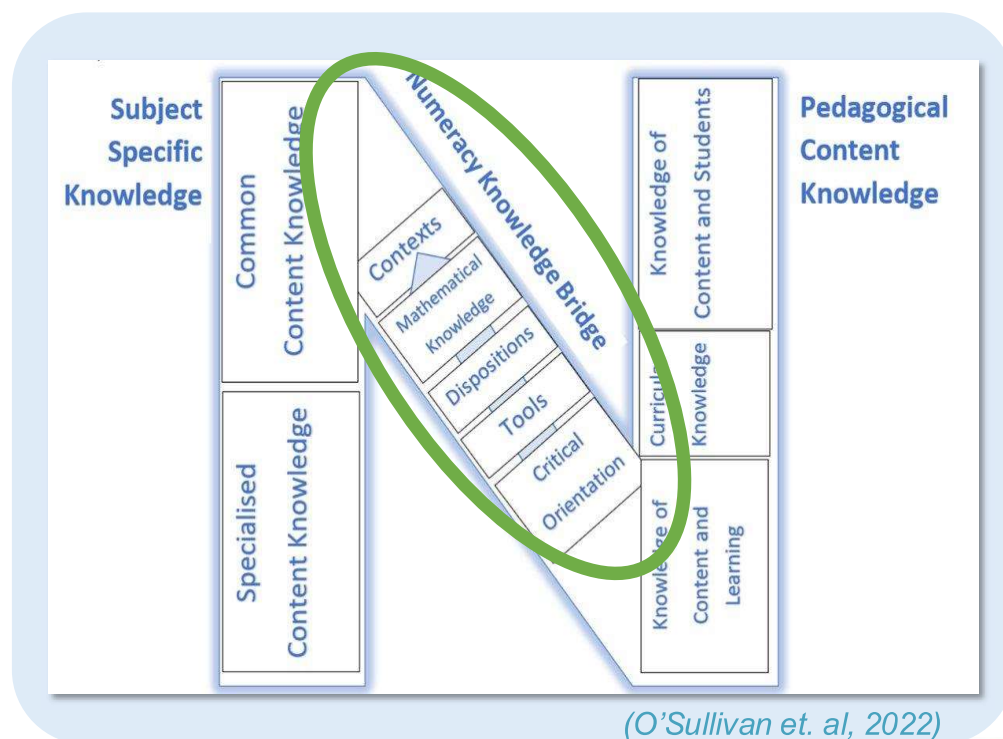
Supporting Numeracy

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

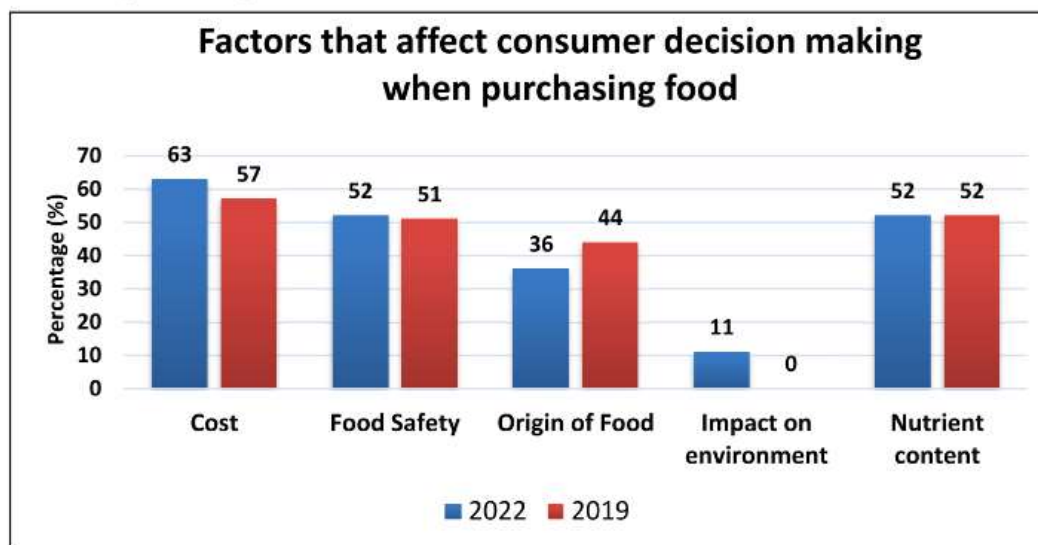
Critical Orientation



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

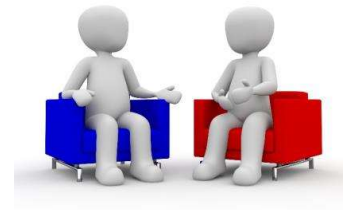
- Consider ideas for integrating numeracy at a whole school level in the short term
- Explore how AI could be used to support planning
- Create an activity/event that integrates numeracy at a whole school level



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Discussion

- Can students articulate what being numerate means?
- What activity/event could be carried out at whole school level that integrates numeracy over the coming weeks?
- Would this be an opportunity to collaborate with subject departments to highlight common numeracy demands?





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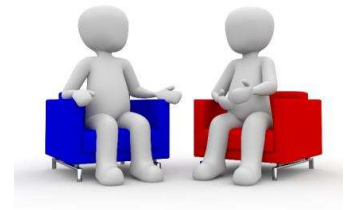
Design a School Activity

Design an event that integrates Numeracy at a whole school level

Success Criteria

By the end of this activity, I will have:

- Identified a whole school activity/event that integrates the five dimensions of numeracy knowledge
- Decided on the schedule for the activity/event
- Decided what resources are needed (human, physical and/or digital)
- Adapted the event for diverse learners
- Considered how to promote the numeracy demands of the activity at a school level
- Considered opportunities for collaboration with subject departments to promote the event and the common numeracy demands within their subject context.





Using Digital Technology

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

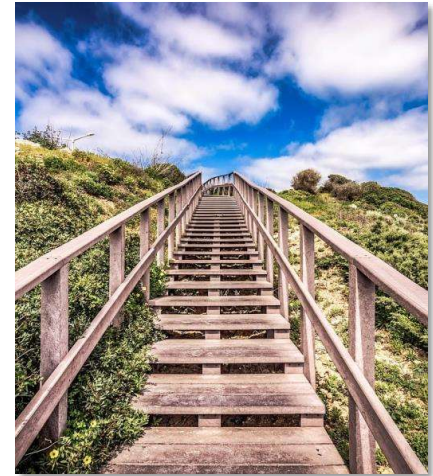
- Idea generation
- Collaboration
- Resource generation





Next steps...

- ☒ Email a summary of the activity
- ☒ Schedule and deliver the activity/event
- ☒ Obtain feedback from the students
- ☒ Summarise your experience of integrating numeracy at a school level in a short presentation





Sharing your experience

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

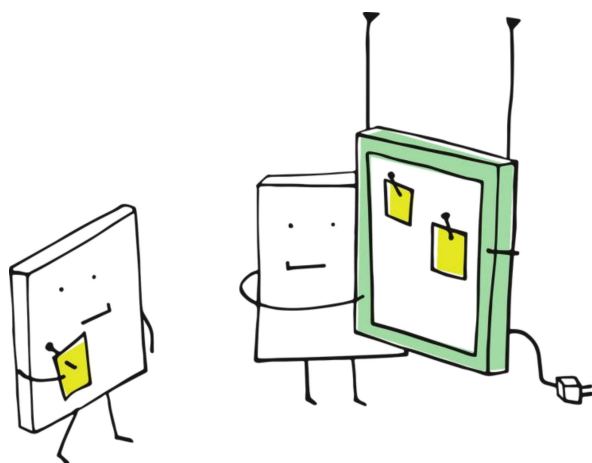
- ☒ Numeracy opportunities and demands of the event/activity
- ☒ Opportunities for collaboration with subject departments
- ☒ Experience of integrating numeracy at whole school level
- ☒ Experience of collaborating with other teachers if applicable
- ☒ Experience from a student perspective
- ☒ Experience of using AI tools to aid planning and collaboration





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Resources



<https://tinyurl.com/Numeracyacrossthecurriculum>