# Leaving Certificate Applied Mathematical Applications



Participant Workbook Webinar 3



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#### Introduction

#### Circular 0070/2020

The four revised module descriptors and their timetable for introduction are outlined below.

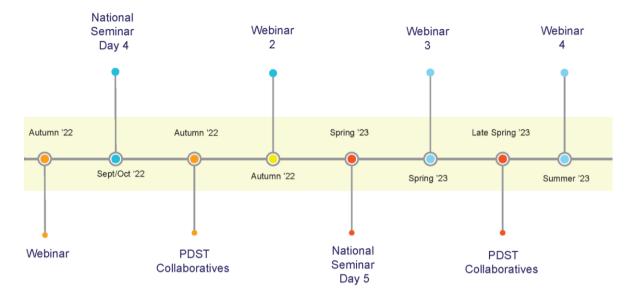
Revised Leaving Certificate Applied Module Descriptors	Original Implementation Date	Revised Implementation Date	First Leaving Certificate Examination
English and Communications	September 2020	September 2021	June 2023
Mathematical Applications	September 2020	September 2021	June 2023
Introduction to Information and Communication Technology	September 2020	September 2021	June 2023
Information and Communication Technology: Specialism	September 2020	September 2021	June 2023

#### Key Message

The focus of this webinar is anchored in key message four from national seminar day 2.

LCA Mathematical Applications seeks to consolidate students' knowledge and skills through practical, problem-solving set in meaningful contexts through critical and creative thinking.

#### **PDST CPD Timeline**

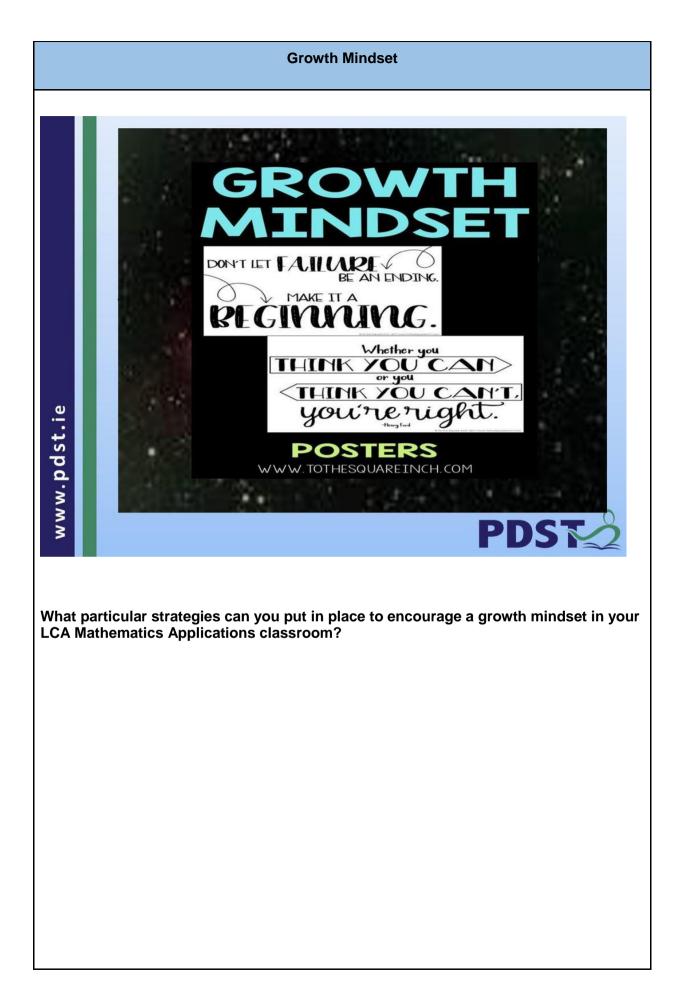


This shows the schedule for Year 2 of the professional development support continuum for LCA Mathematical Applications teachers.

This is the third in a series of webinars designed to support teachers as they introduce the module descriptors in their classrooms.

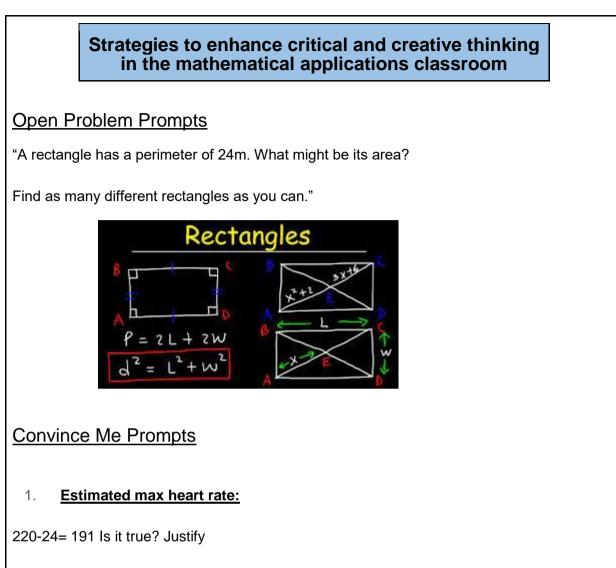
Below is a QR code to bring you to the module descriptors in LCA.





How can a growth mindset guide you in your LCA classroom and support your students in preparing them for critical and creative thinking?

How could you support a growth mindset when choosing content to use in your LCA Mathematical Applications classroom?'



2. Karvonen formula:

[(220 - 60)x 60%]+52 Is it true? Justify

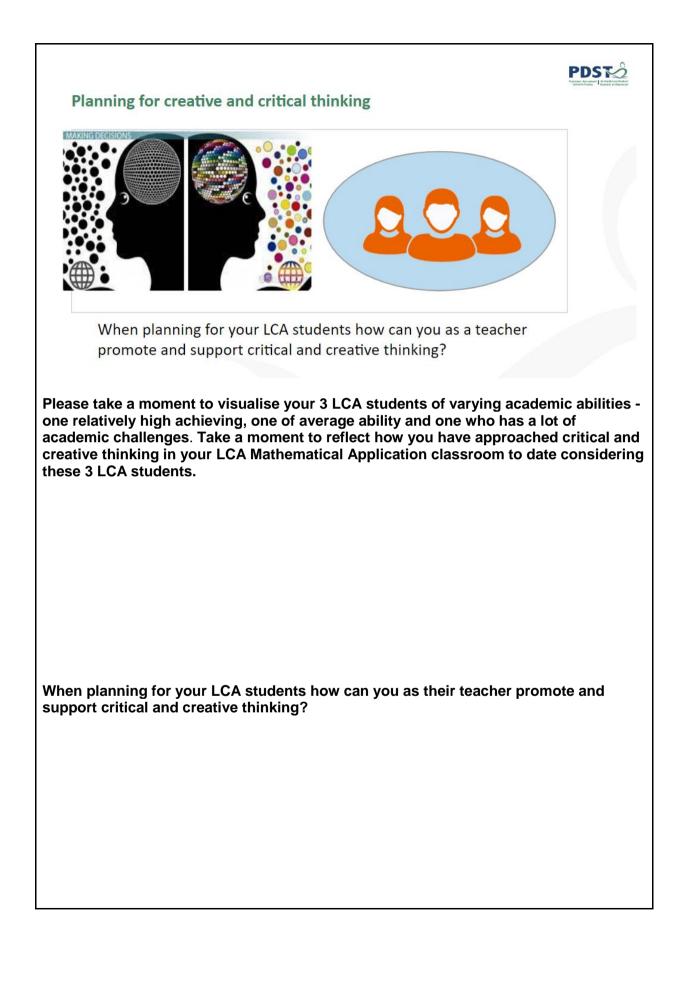
- 3. RM-1 Muscle Strength Formula:
- (0.033 x 12 x 10kg) + 10 kg Is it true? Justify

How can you adapt these strategies in your own LCA Mathematical Applications classroom to encourage critical and creative thinking?

How can you support your students when using these strategies?

### Role Cards and Sentence Starters

	Praise your classmates work or ideas		Challenge your peers
	Paraphrase what your classmate has said		Further develop your peers point
Review how well your group worked together	Clarify what yo peers are sayir		Summarise what your peers have said
Could I ask a question in relation to Have you considered this question	Thats a great idea which I had not thought of That's an excellent point	That is an interesting point, however, I believe that Despite the fact that, I think	
Looking at all our ideas we couldas the next step So the most important elements of what we have done is	So what you are saying is In other words	This is an interesting point, have you also thought about I would like to add to your point by saying	
Two areas of this task that we/I did well were One area we/I could improve was	So what you mean is If I understand you correctly, you're saying that	To recap what that group have said So the overall point of that was	



Reflection Activity					
1. What are the barriers and enablers for critical and creative thinking in your LCA Mathematical applications classroom?	2. How can the school community support this process?				
3. How can I as an LCA Mathematical and their parents/guardians to cultic collective responsibility regarding o					

#### **Further Resources**

https://ncca.ie/media/3380/ks\_framework.pdf

www.ncse.ie

www.pdst.ie

https://pdst.ie/sites/default/files/Integrated%20Approach\_0.pdf

https://www.youtube.com/watch?v=M1CHPnZfFmU&t=2s

https://www.gov.ie/en/publication/b1bb3-looking-at-our-school-2022/#