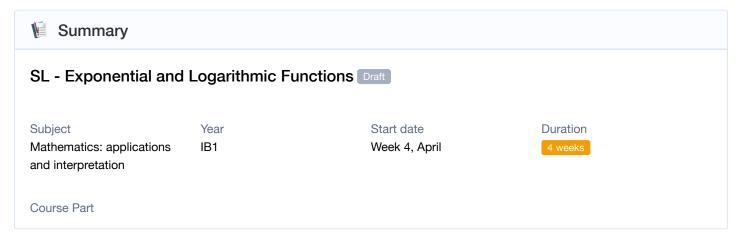
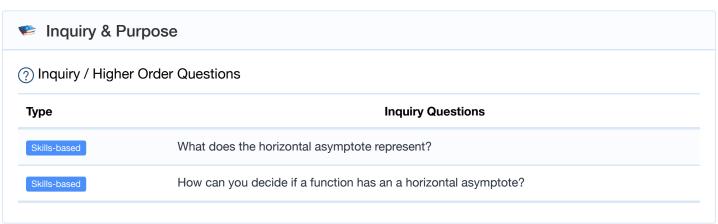


Deira International School

IB DP HL Applications and Interpretations HL (IB1)





Curriculum

Aims

Develop logical and creative thinking, and patience and persistence in problem solving to instil confidence in using mathematics

♦ Objectives

Technology: Use technology accurately, appropriately and efficiently both to explore new ideas and to solve problems.

Syllabus Content

Topic 1: Number and algebra

SL Content

SL 1.3

Geometric sequences and series.

Use of the formulae for the n^{th} term and the sum of the first n terms of the sequence.

Use of sigma notation for the sums of geometric sequences.

Applications.

Deira International School

Deira International School

IB DP HL Applications and Interpretations HL (IB1)

SL 1.4

Financial applications of geometric sequences and series:

compound interest

annual depreciation.

SL 1.5

Laws of exponents with integer exponents.

Introduction to logarithms with base 10 and e.

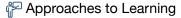
Numerical evaluation of logarithms using technology.

SL 1.7

Amortization and annuities using technology.



ATL Skills





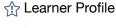
Thinking

- In this unit, we will

give students time to think through their answers before asking them for a response set students a task which required higher-order thinking skills (such as analysis or evaluation)



Developing IB Learners





Inquirers



Knowledgeable



Thinkers