

6 October 2022

Deans Community High School



# BGE S1-S3 NUMERACY + MATHS

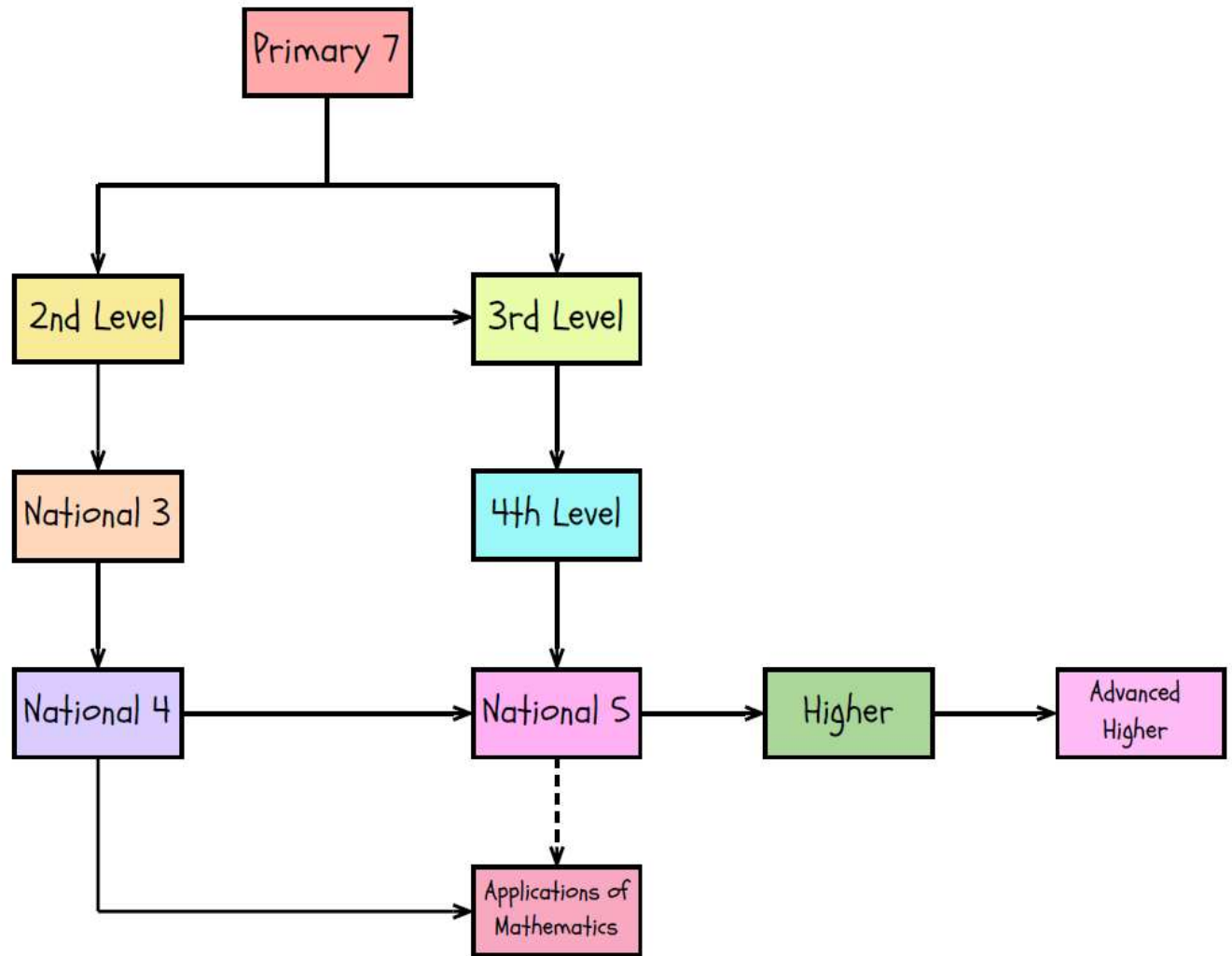
**I**ntegrity | **R**espect | **I**nclusion | **C**ompassion | **A**spiration

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## Numeracy + Maths

# Pathways



Integrity | Respect | Inclusion | Compassion | Aspiration

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**Numeracy + Maths**

# *Pathways*

- 🕒 **S1s – are set using primary data, then Profile test and Numeracy test**
- 🕒 **S2s – follow the pathway into S3 where they complete BGE courses and begin work on L5 pathways**
- 🕒 **SAoL Tests – revision and recall/retrieval of block of topics**
- 🕒 ***Always revision/practice for tests***



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**SIGNIFICANT ASPECTS OF LEARNING**

**NUMERACY & MATHS**

# SAL

**SIGNIFICANT ASPECTS OF LEARNING**

THERE ARE **5 SIGNIFICANT ASPECTS** OF LEARNING IN NUMERACY AND MATHS  
USE KNOWLEDGE AND UNDERSTANDING OF:

THE NUMBER  
SYSTEM,  
PATTERNS AND  
RELATIONSHIPS

MEASUREMENT  
AND ITS  
APPLICATION

SHAPE  
AND SPACE

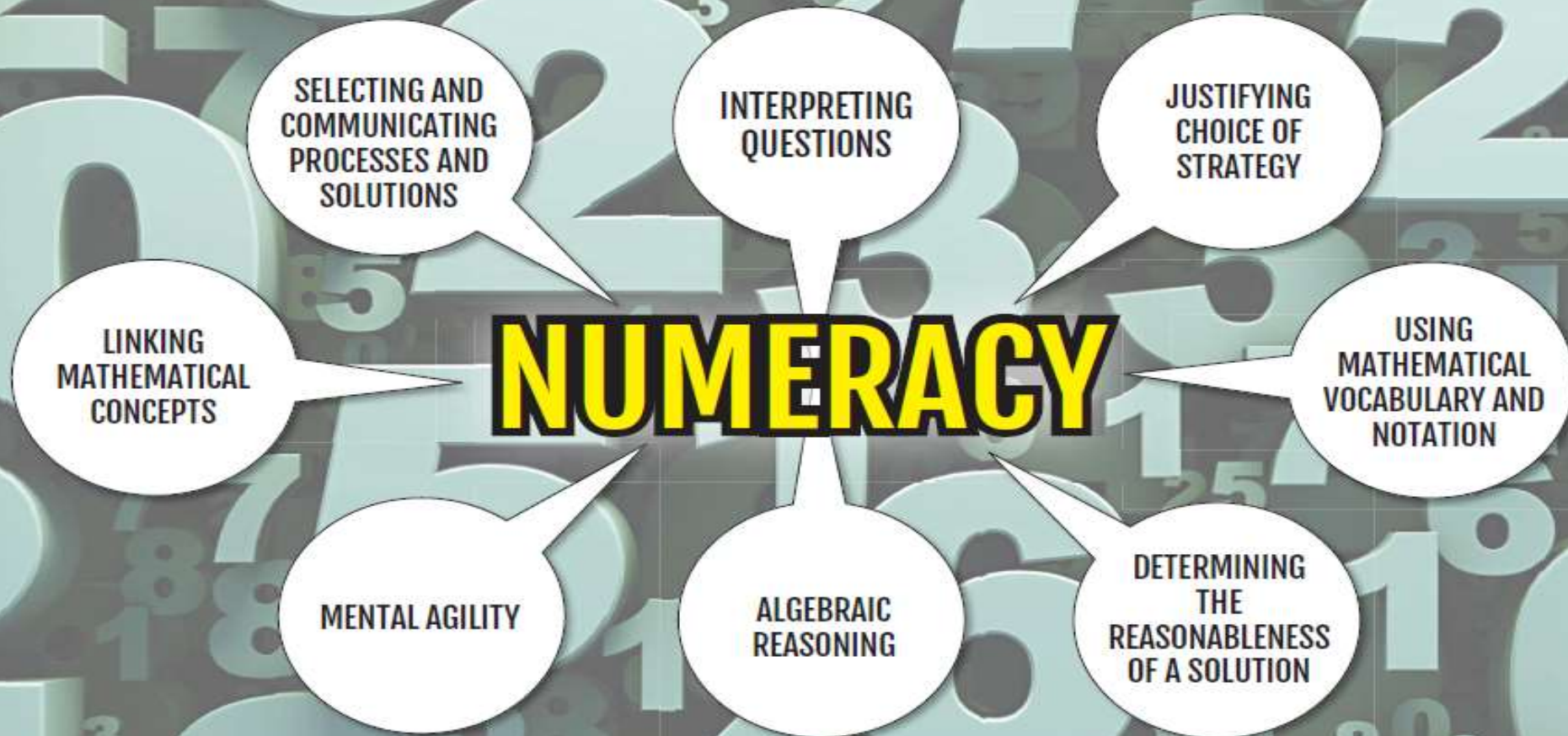
*RESEARCH &  
EVALUATE DATA  
TO ASSESS RISKS  
& MAKE INFORMED  
CHOICES*

APPLY NUMERACY  
& MATHEMATICAL  
SKILLS  
(THE 8 AREAS OF  
EMPHASIS)

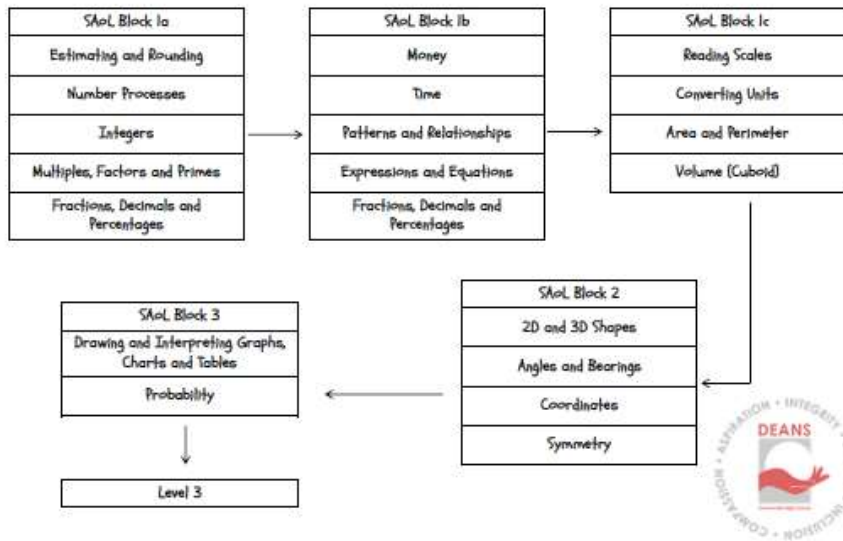


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**CROSS CURRICULAR NUMERACY**

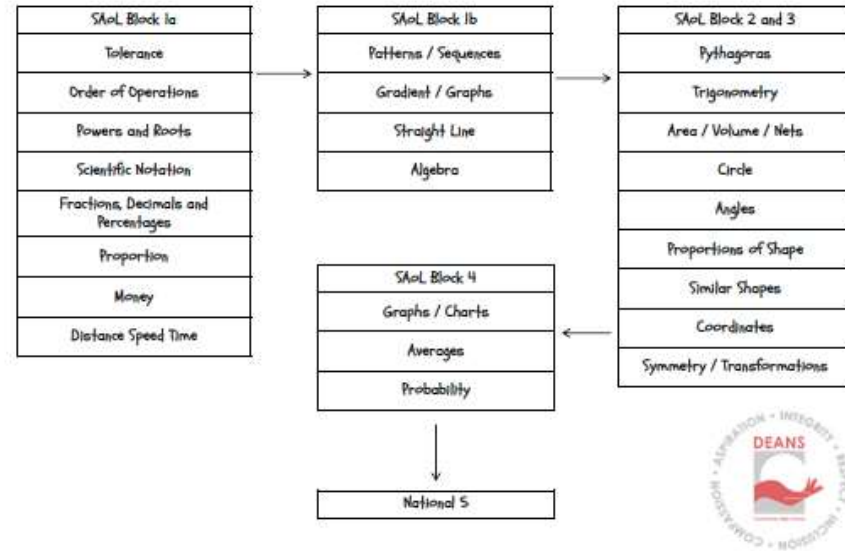
The 8 NUMERACY SKILLS  
AREAS OF EMPHASIS



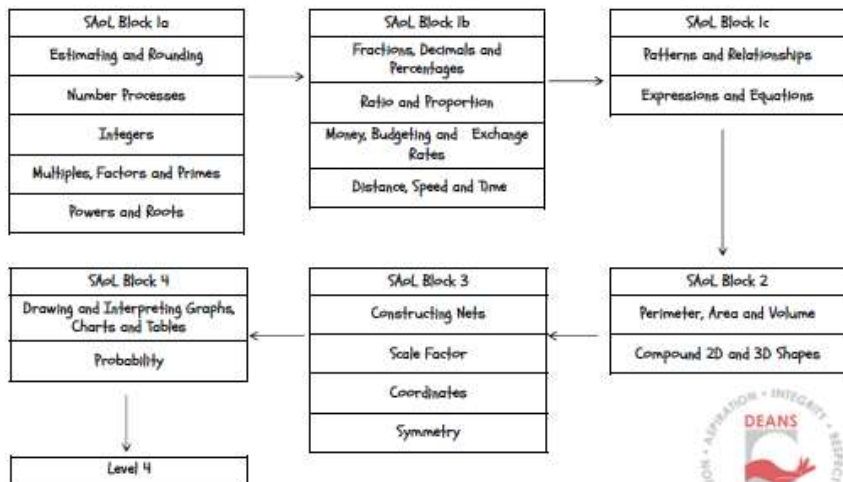
## Level 2 Course Plan




## Level 4 Course Plan



## Level 3 Course Plan



## How to Study Maths


notes ... 

identify the issues ...

- maths is a practical subject
- never just read your notes
- you need to do questions!

past assessment questions ...

- make a list of your mistakes
- write out the correct solutions, do not just read them
- if you do not understand, ask for help!
- go back a few days later and do the questions on your mistake list again

be strategic and get support ... 

be strategic ...


- sometimes do whole past exams and sometimes focus on one topic
- have a day where you focus on your least favourite topic

homework ...

- make sure it is done
- go back and fix your mistakes
- do not ignore the questions you get wrong

get support ...

- attend twilight classes
- ask your teacher for help
- youtube videos

help yourself remember... 

test yourself...

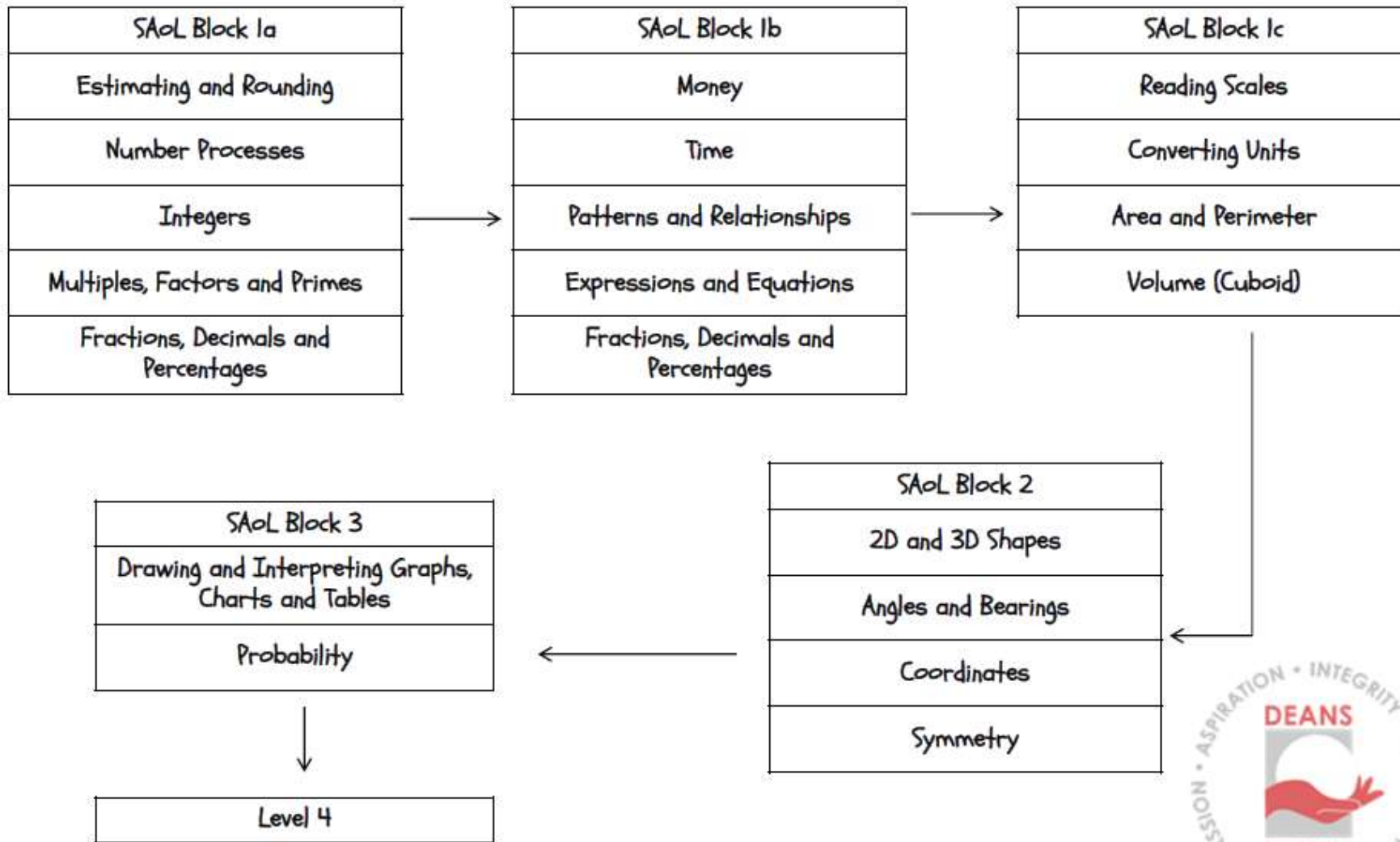
- do past exam questions without your notes
- see what you really know
- redo your incorrect answers a few days later
- check to see if you have improved

space your practice...

- an hour of study done often throughout the year is much better than cramming at the end
- you will remember more this way



# Level 2 Course Plan





**CfE MATHS SECOND LEVEL – BLOCK TEST 1**

NAME:

CLASS/TEACHER:

DATE:

Q1. The price of an i-Pod is £534.

- a) What is the price to the nearest £100
- b) What is the price to the nearest £50
- c) What is the price to the nearest £10

Q2. Round each of the following numbers to the nearest whole number

- a) 4.76
- b) 19.46

Q3. Round to 1 decimal place.

- a) 0.34
- b) 8.67

Q4. What value does the two have in each of these numbers

- a) 3521
- b) 234.6
- c) 3.126



**CfE MATHS SECOND LEVEL - BLOCK TEST 1B**

NAME:

CLASS/TEACHER:

DATE:

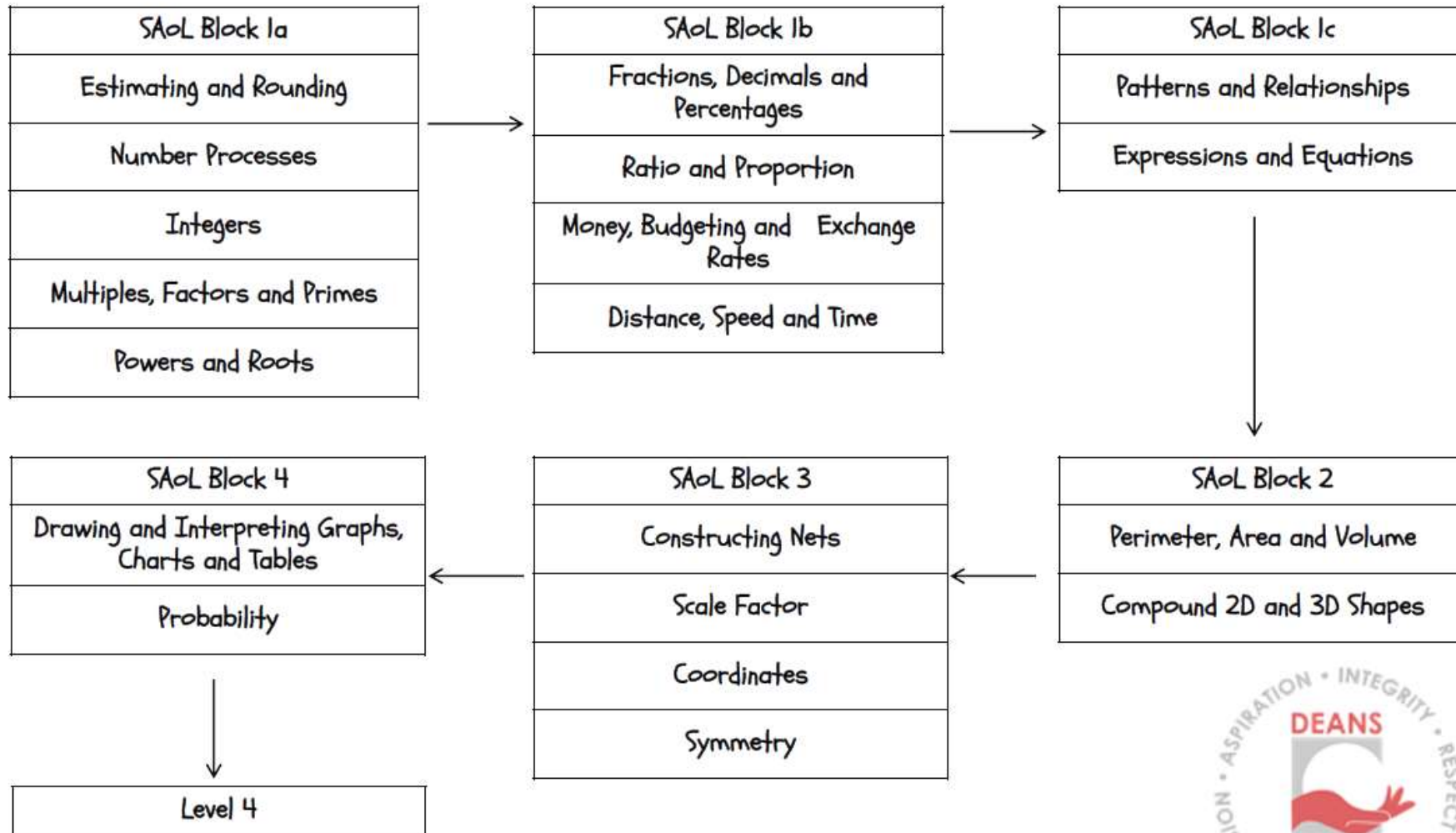
Q1. I buy two chocolate bars for 46p each and pay with a £2 coin.  
I receive four coins in my change.  
What coins do I get? Show your working.

Q2. Julie needs 20 packets of crisps.  
The supermarket sells individual packets for 47p. They also have a special offer of 10 packets for £4.36.  
How much does Julie save using the special offer? Show your working.

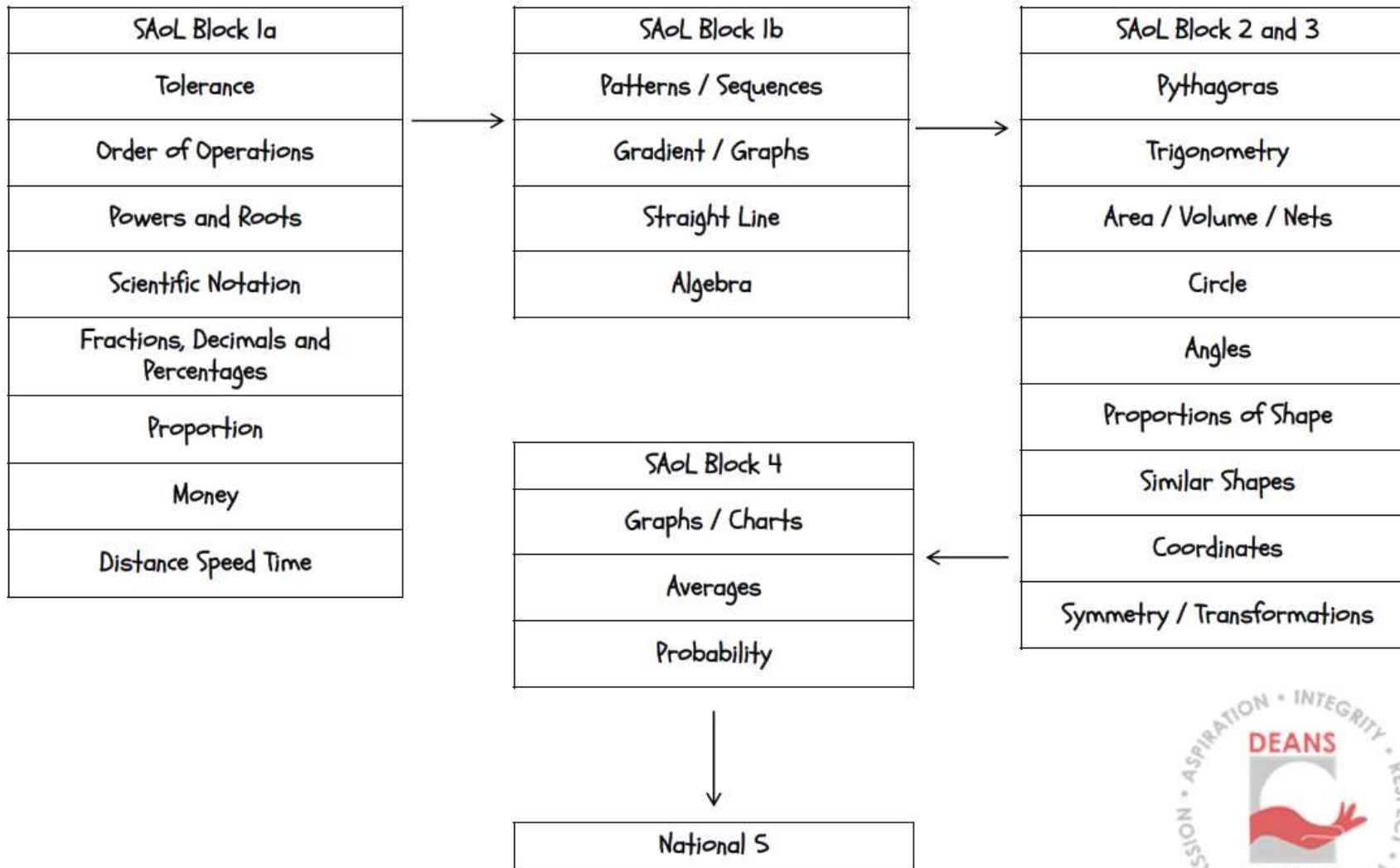
Q3. Erin bought a guitar costing £158. She sold it after a few months for £136.  
a) Did she make a profit or a loss?



# Level 3 Course Plan



# Level 4 Course Plan



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**Numeracy + Maths**


**NUMERACY**


- ① 1 period per week in S1/S2 focusing on 'Basic Numeracy Skills'
- ① Diagnostic baseline test then 6 week teaching block
- ① Informs teaching and next steps
- ① Re-assessment on same skills
- ① Scores are tracked and monitored
- ① 2 x blocks on Algebra / Integers

# At Level 2


DCHS MATHS DEPARTMENT

<p><b>SAoL Assessment</b></p>  <p><b>Apply Numeracy and Mathematical Skills</b></p> <p><b>At Level 2</b></p>		<p>Name : _____</p> <p>Teacher : _____</p> <p>Total :           /20</p>
<p>1. How much change will you be given from £20 if you need to pay £3.68?</p> <p>MNU - 209a</p>	<p>2. <math>4217 - 379</math></p> <p>MNU - 203a</p>	
<p>3. <math>36.8 + 3.54</math></p> <p>MNU - 207a</p>	<p>4. <math>65.4 - 28.6</math></p> <p>MNU - 207a</p>	
<p>5. <math>38.6 \text{ Kg} \times 4</math></p> <p>MNU - 207a</p>	<p>6. <math>£8.54 + £2.99 - £5.56</math></p> <p>MNU - 209a</p>	



<p><b>SAoL Assessment</b></p>  <p><b>Apply Numeracy and Mathematical Skills</b></p> <p><b>Starting Level 3</b></p>		<p>Name : _____</p> <p>Teacher/Class : _____</p> <p>Total :           /20</p>
<p>1. <math>62.48 + 14.3</math></p>	<p>2. <math>84 - 25.8</math></p>	
<p>3. <math>1483 \times 6000</math></p>	<p>4 Round to the nearest ten and estimate <math>64 \times 82</math></p>	
<p>5. <math>91 \div 6</math> (to 3 d.p.)</p>	<p>6. <math>113.6 \div 40</math></p>	



Q2. a)  $8 + (-10) =$



b)  $-3 + 7 =$



c)  $6 + (-2) =$

Q3. a)  $-4 + (-6) =$

b)  $6 - (-4) =$

c)  $7 - 12 =$

Q4. a)  $6 \times (-4) =$

b)  $-7 \times (2) =$

c)  $-5 \times (-7) =$


Q5. a)  $20 \div -4 =$

b)  $-63 \div 9 =$

c)  $-40 \div -5 =$

Q2. a)  $6 + (-8) =$

b)  $-4 + 8 =$



c)  $5 + (-3) =$

Q3. a)  $-5 + (-7) =$

b)  $5 - (-7) =$

c)  $9 - 15 =$

Q4. a)  $7 \times (-6) =$

b)  $-5 \times (3) =$

c)  $-4 \times (-6) =$

Q5. a)  $24 \div -6 =$

b)  $-72 \div 8 =$

c)  $-35 \div -5 =$

Q6. Simplify

a)  $4x - 2x + 3x =$

b)  $6p + 9p - 13p - 10p =$

Q6. Simplify

a)  $5x - 3x + 4x =$

b)  $8p + 7p - 14p - 9p =$

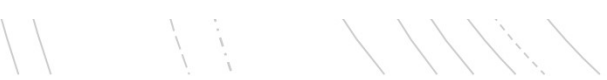
Q7. Solve the equations

a)  $x - 6 = 10$

b)  $6x = -36$

c)  $4x + 4 = -20$

d)  $5x + 2 = 3x - 10$



Q7. Solve the equations

a)  $x - 3 = 7$

b)  $4x = -32$

c)  $3x + 2 = -19$

d)  $4x + 6 = 2x - 10$

## Numeracy + Maths

# HOW TO SUPPORT?

- 📌 **Regular Practice / resources on TEAMS – sample tests, digital textbooks, numeracy tasks**
- 📌 **Digital Learning – using targeted websites**
- 📌 **Regular discussions on Numeracy + Maths**
- 📌 **Contact staff for any help / info**

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**Numeracy + Maths**

# Helpful Websites



<https://corbettmaths.com/contents/>



<https://startingpointsmaths.com/>



<https://mcconvillemaths.com/>



<https://www.national5maths.co.uk/s1-s2-courses/>

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Fourth Level Pupil Book

# CfE MATHS

Third Level Pupil Book

# MATHS

Level Pupil Book

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Craig Lowther, Ian MacAndie

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Ian MacAndie with Kevin Evans, Keith Gordon, Trevor Senior and Brian Speed

Janette Mumford with Kevin Evans, Keith Gordon,  
Trevor Senior and Brian Speed



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Style Name:

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***PROGRESS***

