

S1 Parents' Maths Information Evening



Tuesday 18 September 2018

School Prayer

Jesus, as a child you grew in learning and wisdom.

Bless Saint Ninian's High School,
a community of faith and love
where young people learn,
work and grow together.

Help us to make our school a place
where teachers are valued for their dedication;
where pupils are encouraged
to develop their talents
and where all
staff, young people pupils and parents -
work together
in trust and friendship.

Live among us now and forever.

Amen



Welcome

- 7.00 - 7.20pm – Introduction
 - M Gorman – Principal Teacher of Mathematics and Numeracy
 - S Devine – Principal Teacher of Development
 - J Fuchs – Depute Head Teacher
- 7.20 - 8.20pm - Workshops

S1 Maths Workshop

Margaret Gorman (PT Mathematics and Numeracy)

18th September 2018



Pupil Experience

- Pupils have settled well into the department so far
- Content in first block will allow staff to get to know pupils and their ability
- Common language and methodology
- Daily and hand-in homework

New Sections

- Pupils are given a period of time to settle in before classes are broad-banded
- First block test is due week beginning 1st October
- Information used:
 - P7 ERC Standardised Test
 - P7 Teacher judgements on level
 - S1 classwork/daily homework/hand-in homework
 - S1 Block Test 1
 - S1 Teacher professional judgement

New Sections

- There is room for movement if we feel pupils are in the wrong place. It is important that pupils are placed in the correct section to allow them to flourish
- We try our best to ensure that pupils are placed in a class with an appropriate pace and challenge

Maths Pathways

MathPath	S1	S2	S3	S4	S5	S6
MP1	Complete 3 rd /4 th level		National 5		Higher	Advanced Higher
MP2	Complete 3 rd /4 th level		National 5		Higher	Advanced Higher
MP3	Complete 3 rd level		National 4		Nat 5	Higher
MP4	Consolidate/complete 2 nd level and extend into 3 rd level (individual pathways also undertaken for some pupils)		National 3	Nat 4 Applications	Nat 4 Maths	National 5 Maths

Progression to National 5

Percentage of S4 pupils presented for National 5 Maths						
	2018	2017	2016	2015	2014 (Int 2)	2013 (Int 2)
Saint Ninian's	82.8 (77.8 ERC)	81.76	83.7	81.9	80.8	71.79
Pass Rate	94%	92%	92%	89%	88%	86%

Percentage of S6 pupils Achieving Level 5 Numeracy					
	2017	2016	2015	2014	2013
Saint Ninian's	93.7	92.72	91.6	93.84	90.4
Virtual Comparator	87.3	83.64	78.5	81.23	77.03



Progression from National 5 to Higher

Percentage of S5 pupils presented for Higher Maths				
	2018	2017	2016	2015
Saint Ninian's	64.3	62.3	68.3	67.3
Pass rate	89.1%	89%	82%	84%



Why have this Workshop?

Meta-cognition – Learning to Learn

Dr Steven Devine, Physics and Mathematics



Our next 10 minutes

- Why are we having this workshop?
- What is cognition?
- What is meta-cognition?
- How can metacognition improve our learner's success?
- Homework...
...for you!

Why organise a maths workshop?

“Students tend to have more of a fixed view of maths skills than of other intellectual skills”

Carol Dweck, Professor of Psychology, Stanford University

“Metacognition and Self-regulation improve learning by up to 7 months”

Education Endowment Fund

“The best students have acted metacognitively”

Dylan William, Emeritus Professor of Educational Assessment, UCL

Our workshop will share strategies that can contribute to the success of our learners so that at home and at school we have a joined-up approach with a common language to support our learners.

What is Cognition?

The mental process involved in recall, understanding and application.

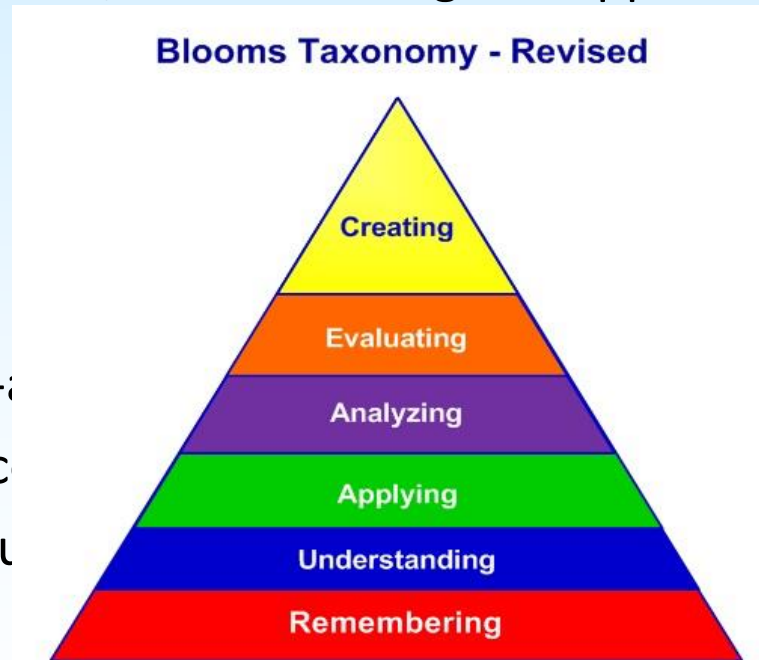
It is the beginning of learning.

For example:

Remembering the method to re-

Using a mnemonic to recall the c

Translating words from one langu



n equation

What is Meta-cognition?

Importantly, there can be no meta-cognition without there first being cognition

- i.e. Our learners need the knowledge and support from us before they can recall and apply previous strategies to solve complex problems

This is about learning how to learn – the process that should be applied every time the same type of question is encountered

Meta-cognition encourages learners to approach every problem with the following thought processes:

Plan

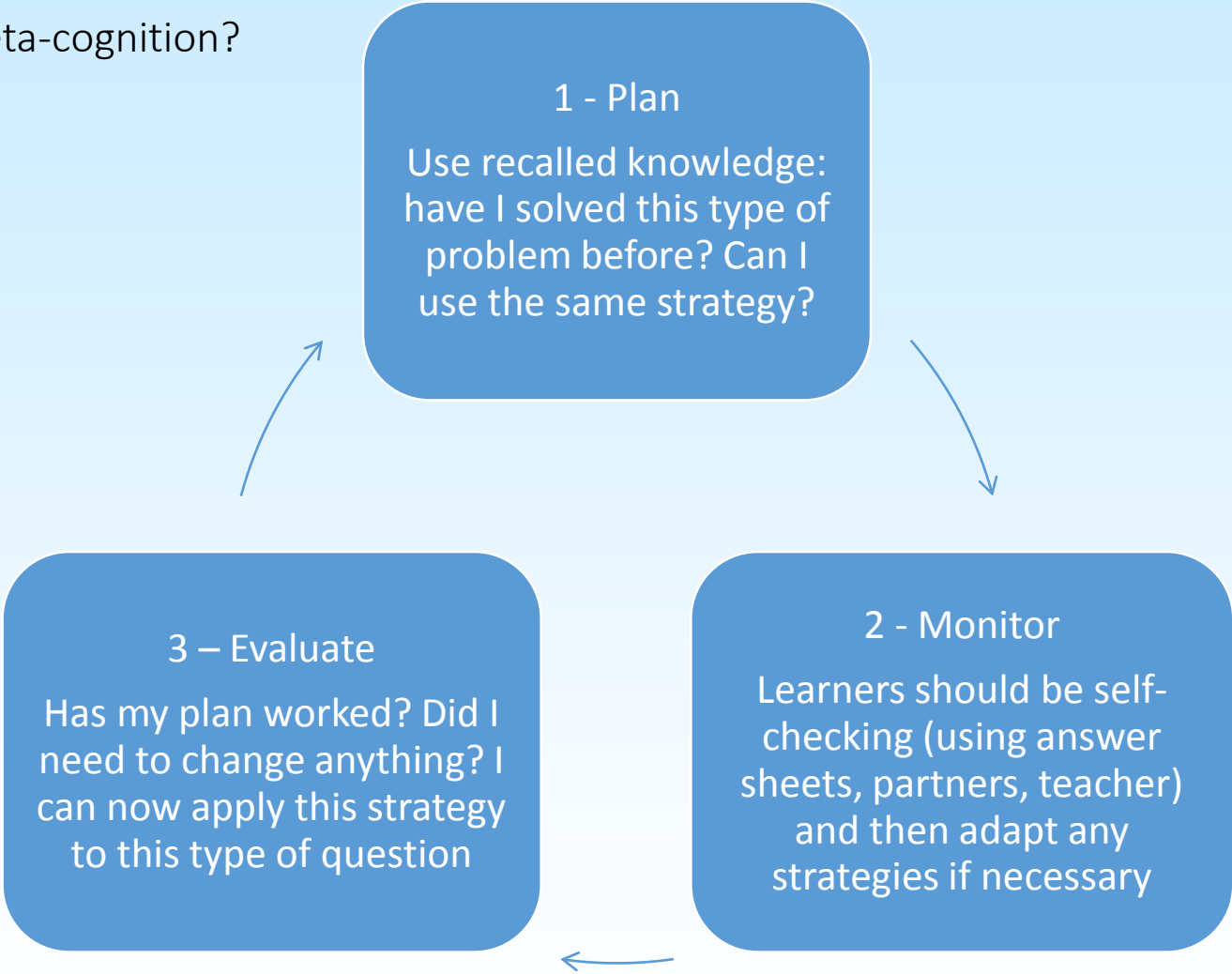
Monitor

Evaluate

These skills are used **ACROSS** the curriculum: Maths, Physics, Chemistry and Biology.



What is Meta-cognition?



How can metacognition improve our learners' success?

- Activate prior knowledge - Starter question at the beginning of each lesson
- Explicit strategy instructions - The exact process to solve the problem is shared
- Model the strategy - Worked examples are shared on the board
- Supported practice - Learners work through simpler problems with support
- Independent practice - Learners try questions using the knowledge they have gained and the problem-solving process they have been taught
- Reflection - We encourage learners to think about how they work successfully and where the process could be applied in the future

Meta-cognition. S Devine



How cognitive or meta-cognitive have you been this evening?

Situation	Cognitive	Metacognitive
What time did you leave?		
What route did you take?		
How would you explain your route to someone?		
Where did you park?		



Homework...

- The Maths workshop should equip you with the skills to work through the following problems.
- Problem 1 is completed by process, problem 2 is completed by applying what you have learned to an unfamiliar context.

Problem 1

Solve: $5x + 2 = 3x + 8$

Problem 2

The sum of two numbers is 25. One of the numbers exceeds the other by 9. Find the numbers.

QR Code links to the S1 webpage and Mathematics pages where all these slides are located – and the answers!

SNHS S1



Mathematics



Dates for Your Diary

- S1 Photos – Free Delivery Deadline **Tomorrow**
- S1 Parents' Information Evening – Thursday 4 October
- S1 Interim reports are issued – Friday 5 October
- Morning Mass (Tuesday, Thursday and Friday 8.25am)
- Eucharistic Adoration – Fridays from 12pm

Information – S1 Website

- <https://blogs.glowscotland.org.uk/er/snhss1website/>

St Ninian's High School S1 Website

News, information and achievements for S1 pupils, parents and staff 2018-19

[Advice for Families](#) [Achievements](#) [Documentation](#) [Key Dates](#) [ParentPay](#) [Assemblies](#) [Pastoral Support](#) [Health and Wellbeing](#)
[S1 PSHE](#) [Parental Involvement](#) [Free School Meals and Clothing Grants](#) [School Transport](#) [School Uniform](#) [Attendance and Timekeeping](#)
[School Library](#) [Medicines](#)

PSHE Newsletter WB 10.9.18

September 11, 2018
[Leave a comment](#)

[PSHE Newsletter WB 10.9.18](#)

S1 PSHE Booklet

September 5, 2018
[Leave a comment](#)

The S1 Personal, Social and Health Education booklet helps pupils to identify the progress they are making across the curriculum. This includes academic subjects but the broader skills and abilities such as Health and Wellbeing, Leadership, Teamwork and Character.

It is also a place where they can record successes and achievements through First Year.

This will be a key part of the Parents' Evening where each young person's talents in the widest sense will be discussed.



PSHE
Booklet



CONTACT US

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SCHOOL TIMES

Monday 8.45 – 3.30
Tuesday 8.45 – 3.30
Wednesday 8.45 – 2.40
Thursday 8.45 – 3.30
Friday 8.45 – 2.40

STAFF

Year Group Head – Mr J Fuchs

1a1 – Mr S McMaster
1a2 – Miss C Duncan
1a3 – Mr M Gallagher
1a4 – Mr T Low
1a5 – Miss S Higgins
1a6 – Mr M Gallagher
1a7 – Miss E Goodenough
1a8 – Mr J McKeane
1a9 – Mr J McArthur
1a10 – Mr R Kerr



Information - Twitter



The image shows a screenshot of the Twitter profile for Saint Ninian's High School. The profile picture is the school's crest, which features a shield with a cross and the motto 'FLOREAT IOVENTUS'. The bio states: 'Latest news and information for pupils, parents, staff and partners of St Ninian's High School, East Renfrewshire, Scotland'. The website is 'ea.e-renfrew.sch.uk/stninians' and it was joined in January 2010. The statistics show 15.7K tweets, 153 following, 5,366 followers, and 736 likes. A recent tweet from 12 minutes ago is displayed, titled 'Meeting Agenda' for the S4 Pupil Forum on 14th September 2018. The agenda items are: 1. Welcome & Prayer, 2. Our Relationships (S4 So Far), 3. Our Learning & Teaching (S4 Interim Reports), 4. Our School & Community (S4 Information Evening), 5. Our Health & Wellbeing (HWB at assemblies, HWB in Departments), 6. Our Successes & Achievement (S4 Extra Curricular Opportunities), and 7. AOCB.

Saint Ninian's
@stninianshigh

Latest news and information for pupils, parents, staff and partners of St Ninian's High School, East Renfrewshire, Scotland

UT: 55.79686,-4.10075
ea.e-renfrew.sch.uk/stninians
Joined January 2010

Tweets **Following** **Followers** **Likes**
15.7K **153** **5,366** **736**

Tweets **Tweets & replies** **Media**

Saint Ninian's @stninianshigh · 12m
The S4 Pupil Forum met to discuss the following agenda today. Minutes for this meeting can be accessed by S4 Pupils on our Microsoft Teams site.
[#catholicschoolsgoodforscotland](#) [#YOYP](#)

Meeting Agenda

Date : 14th September 2018
Time : 9.35am
Location : School Canteen

- 1. Welcome & Prayer**
- 2. Our Relationships**
 - S4 So Far
- 3. Our Learning & Teaching**
 - S4 Interim Reports
- 4. Our School & Community**
 - S4 Information Evening
- 5. Our Health & Wellbeing**
 - HWB at assemblies
 - HWB in Departments
- 6. Our Successes & Achievement**
 - S4 Extra Curricular Opportunities
- 7. AOCB**



Maths Workshop Rooms

Class	Room
1a1 and 1a2	ICT 4
1a3 and 1a4	ICT 5
1a5 and 1a6	ICT 6
1a7 and 1a8	ICT 7
1a9 and 1a10	ICT 8
Overflow	ICT 9