

Broad General Education

Benchmarking Tool

Data Informed Improvement

Scottish Assessment Summit

11th September 2019

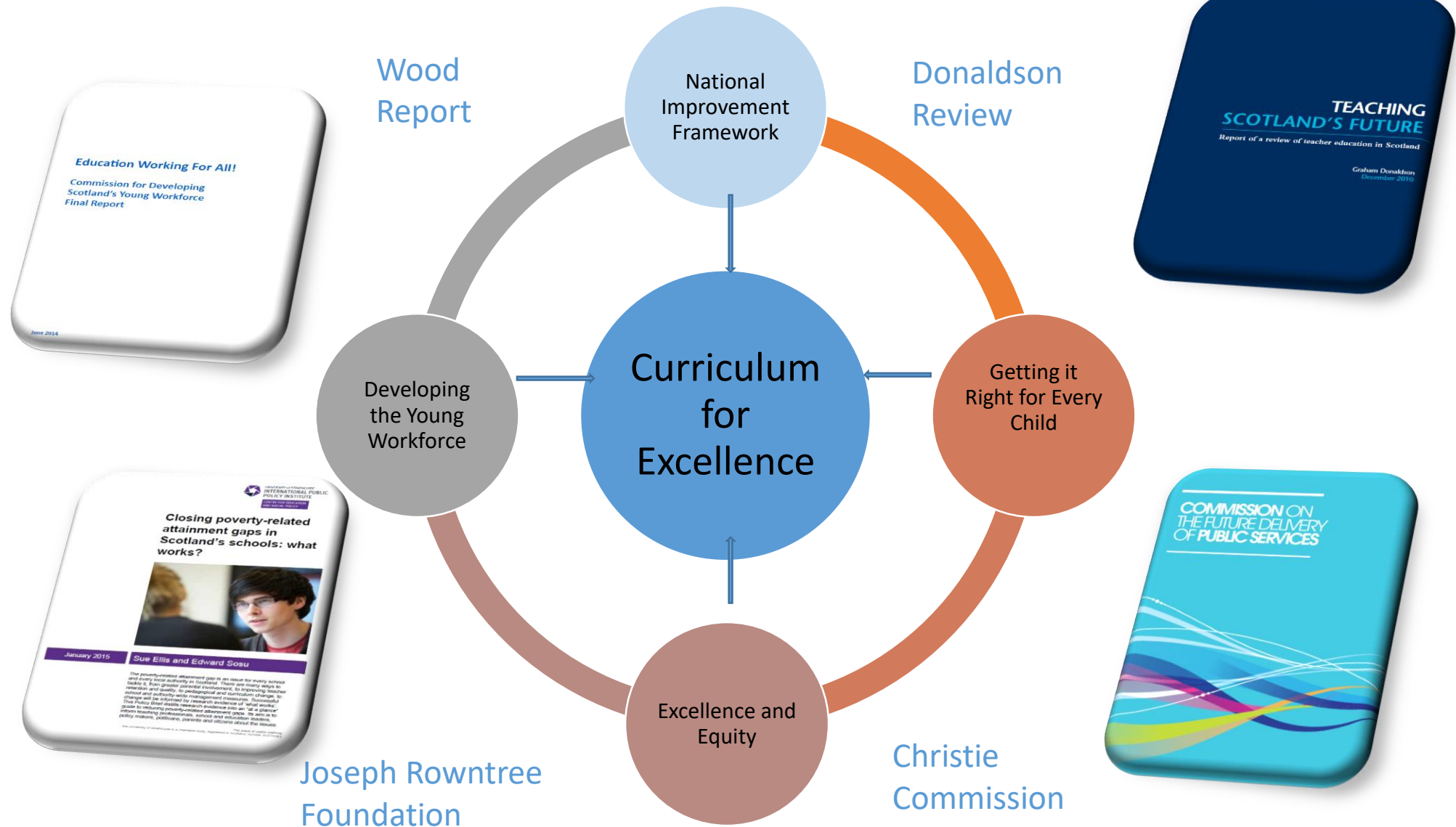
This workshop will focus on how the BGE Benchmarking Tool is being used to support collaboration and improvement.

The workshop will:

- Provide an overview of the place of the BGE Tool within the National Improvement Framework and its role in supporting data informed improvement : H Shanks Scottish Government
- Provide an insight into the scope of the BGE Benchmarking Tool and the characteristics that underpin it: Adam Naylor, Scottish Government
- Provide an insight into how this tool was rolled out within one local authority: Jill Pringle, South Lanarkshire Council
- Share the experiences of head teachers in using the tool to support improvement:
 - Elaine Fitzpatrick, Headteacher St Mary's Primary School;
 - Martina Hendry, Head Teacher St Cuthbert's Primary School



The Big Picture

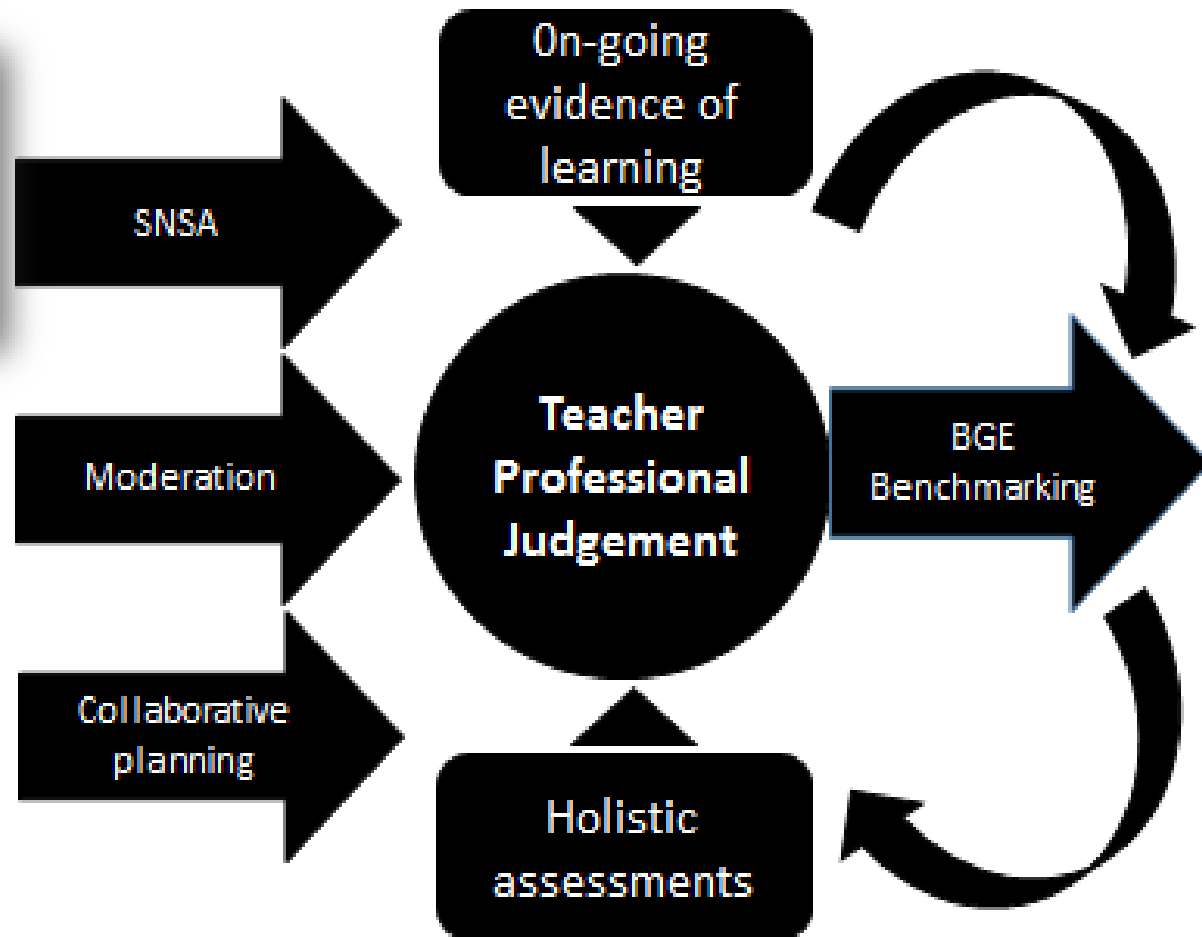




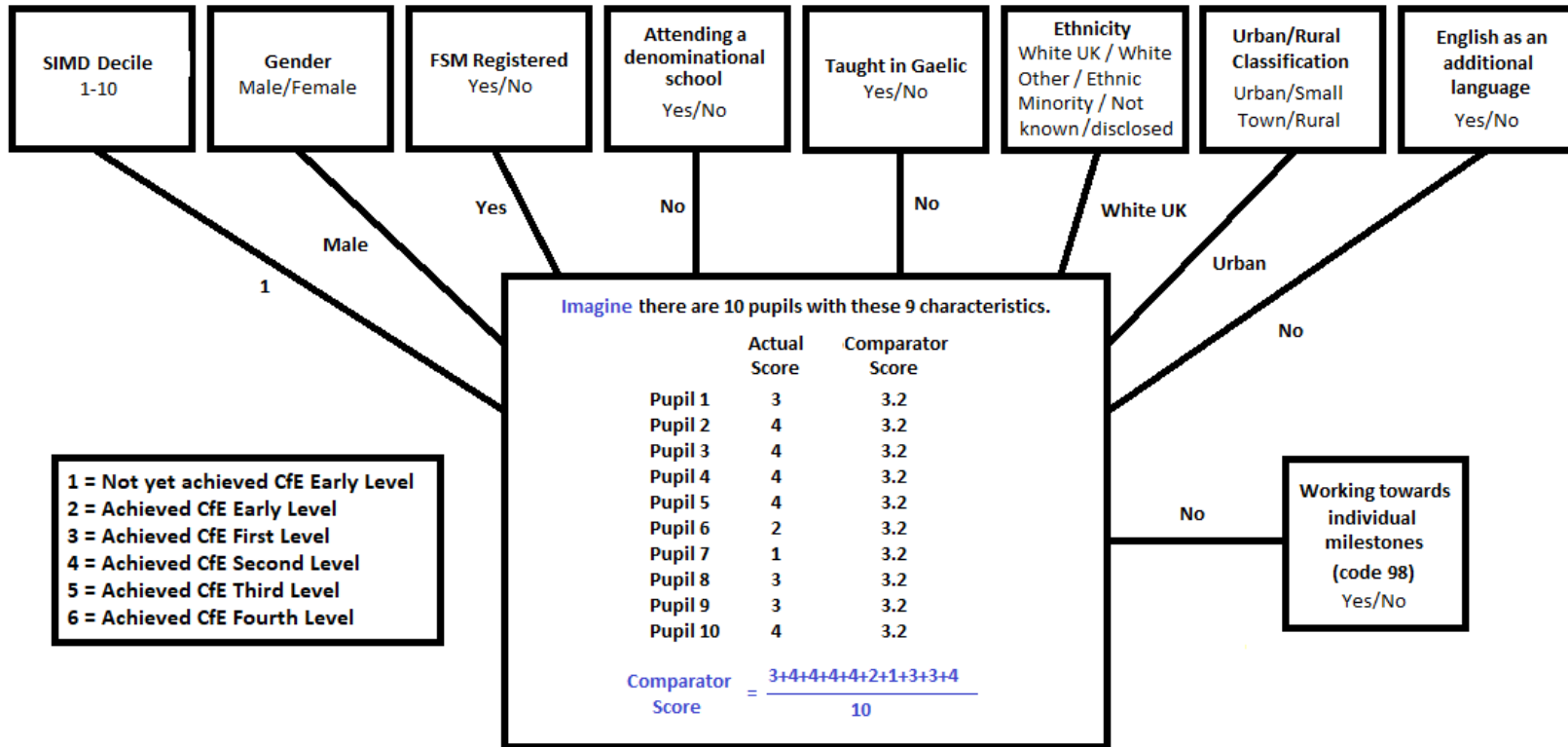
Culture supporting teacher judgements



- Children at the centre of planning
- Feedback to young people and from young people about progress



An Overview of the Methodology



This process is repeated 10x2x2x2x2x4x3x2x2 times so that every single pupil has a comparator score to go with their actual score

These scores can then be aggregated up to school level or local authority level and compared with each other

Actual Score	Comparator Score	School A
Pupil 1	4	3.33
Pupil 2	4	3.68
Pupil 3	4	3.77
Pupil 4	4	3.45
Pupil 5	3	3.51
Pupil 6	3	3.68
Pupil 7	3	3.68
Pupil 8	4	3.74
Pupil 9	4	3.33
Pupil 10	1	1

School Comparator Score = 3.32
 School Actual Score = 3.50

Actual Score is above Comparator Score

Both schools have the same Comparator Score but a different Actual Score

- Do School A and School B have a consistent approach to teacher judgement?
- Is there something having a big impact that is not in the model?
- Could School A share best practice with School B to help them improve?

Actual Score	Comparator Score	School B
Pupil 1	3	3.33
Pupil 2	4	3.68
Pupil 3	4	3.77
Pupil 4	3	3.45
Pupil 5	2	3.51
Pupil 6	4	3.68
Pupil 7	4	3.68
Pupil 8	4	3.74
Pupil 9	3	3.33
Pupil 10	1	1

School Comparator Score = 3.32
 School Actual Score = 3.20

Actual Score is below Comparator Score



School level example (primary)

1. Select your school or local authority
 2. Select the stage you are interested in
 3. Select the year you are interested in
- Please select only one option per filter



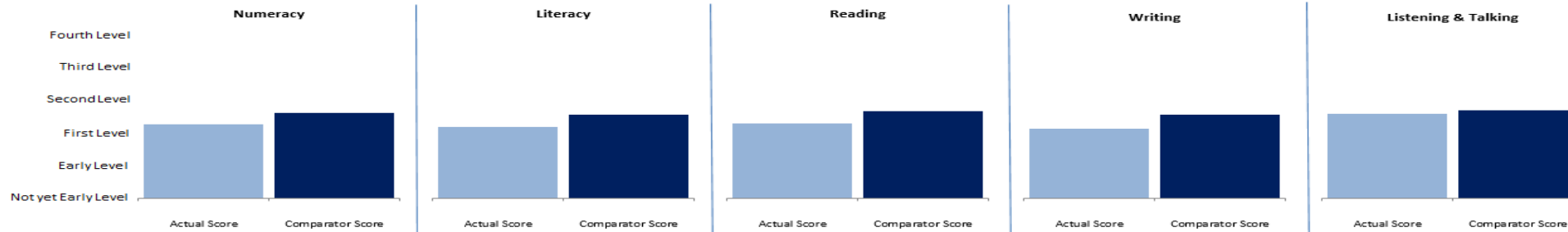
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Experimental Statistics

LA and school: Local Authority A - School A
Stage: P7
Year: 17/18

Number of pupils in stage: **28**

Local Authority A - School A, P7, 17/18 data



Notional number of P7 pupils who need to improve by 1 CfE level for school/area to match their comparator score:

10 **11** **10** **12** **3**

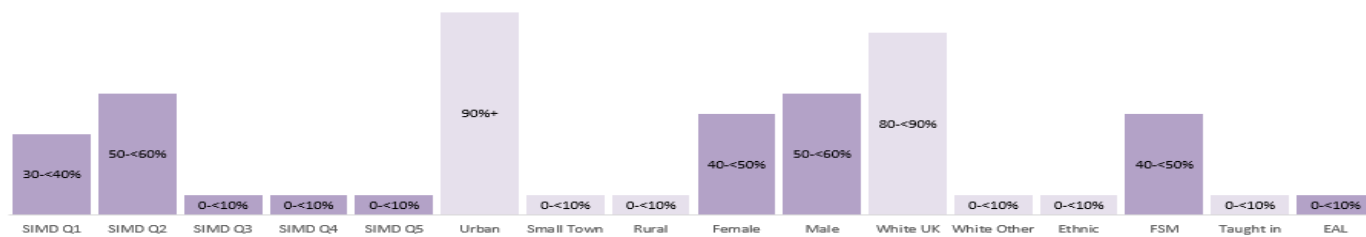
Select a stretch aim

Stretch aim: 85% of pupil achieving expected level in stage

Notional number of P7 pupils who need to improve by 1 CfE level for school/area to match selected stretch aim for percentage of pupils achieving Second Level

17 **19** **16** **19** **6**

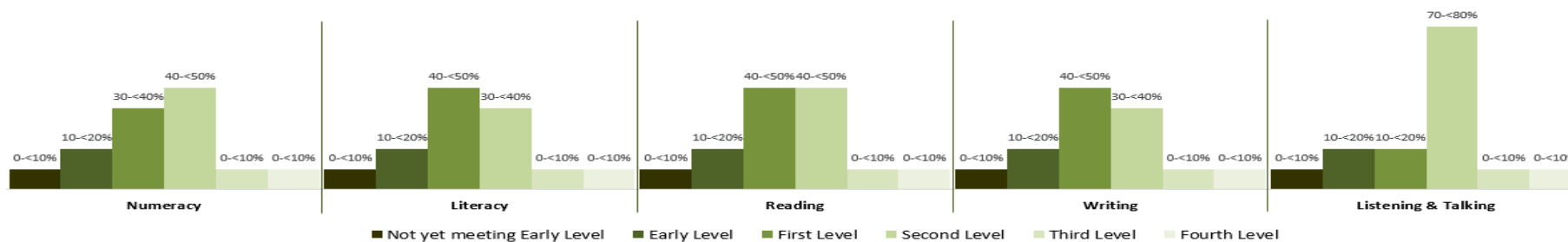
Pupil Characteristics (whole school/area), 17/18



Number of pupils in school/area: **177**

Non-denominational

Distribution of CfE levels achieved by pupils in stage



School to school comparison

Please select only one option per filter

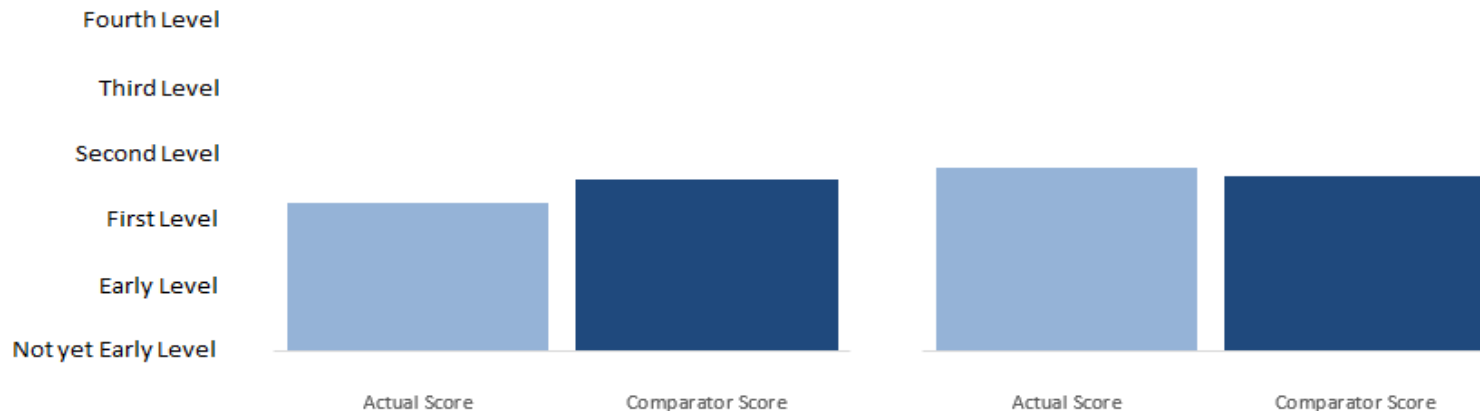
LA and school	Local Authority A - School A	LA and school	Local Authority B - School B
Measure	Numeracy	Measure	Numeracy
Stage	P7	Stage	P7
Year	17/18	Year	17/18

Different LA or school

Same measure

Same stage

Same year



List of similar schools: (note that school in 'Find a similar school' tab must match school in cell C2 for this to show anything)

- Fife - Cowdenbeath Primary School
- West Lothian - Dedridge Primary School
- Local Authority B - School B
- Local Authority B - School C
- Local Authority C - School D
- West Dunbartonshire - St Mary's Primary School (Alexandria)
- North Lanarkshire - Newmains Primary School
- Fife - Dysart Primary School
- Falkirk - Nethermains Primary School
- South Lanarkshire - Craighbank Primary School
- East Ayrshire - Silverwood Primary School
- South Ayrshire - Kincaidston Primary School
- Fife - St Bride's R C Primary School
- North Ayrshire - St John Ogilvie Primary School
- Fife - Lumphinnans Primary & Community School
- North Lanarkshire - Carbrain Primary School
- Fife - St Agatha's R C Primary
- West Dunbartonshire - St Peter's Primary School
- East Renfrewshire - Hillview Primary School
- East Ayrshire - Hurlford Primary School
- Fife - Rimbleton Primary School
- West Dunbartonshire - Jamestown Primary School
- East Renfrewshire - Carlibar Primary School
- Perth & Kinross - Letham Primary School
- West Dunbartonshire - Lennox Primary School
- Renfrewshire - Cochrane Castle Primary
- Aberdeen City - Muirfield School
- Glasgow City - Carmyle Primary School & Nursery Class
- Dumfries & Galloway - St Ninian's School
- South Lanarkshire - Neilsland Primary School

similar comparator scores - good comparison

28 Pupils in Stage

10 notional pupils need to improve by 1 CFE level to match **comparator score**

15 notional pupils need to improve by 1 CFE level to match **selected comparator school**

25 Pupils in Stage

notional pupils need to improve by 1 CFE level to match **comparator score**

notional pupils need to improve by 1 CFE level to match **selected comparator school**

Background Information (whole school/LA) - 17/18

177 Pupils		186 Pupils	
40-<50%	Female	40-<50%	Female
50-<60%	Male	50-<60%	Male
30-<40%	SIMD Q1	30-<40%	SIMD Q1
50-<60%	SIMD Q2	50-<60%	SIMD Q2
0-<10%	SIMD Q3	0-<10%	SIMD Q3
0-<10%	SIMD Q4	0-<10%	SIMD Q4
0-<10%	SIMD Q5	0-<10%	SIMD Q5
90%+	Urban	90%+	Urban
0-<10%	Small Town	0-<10%	Small Town
0-<10%	Rural	0-<10%	Rural
80-<90%	White UK	90%+	White UK
0-<10%	White Other	0-<10%	White Other
0-<10%	Ethnic Minority	0-<10%	Ethnic Minority
40-<50%	FSM Registered	20-<30%	FSM Registered
0-<10%	Taught in Gaelic	0-<10%	Taught in Gaelic
0-<10%	EAL	0-<10%	EAL
Non-denominational		Non-denominational	

The Broad General Education Dashboard Tool and Data Informed Improvement

Martina Hendry, St Cuthbert's Primary School

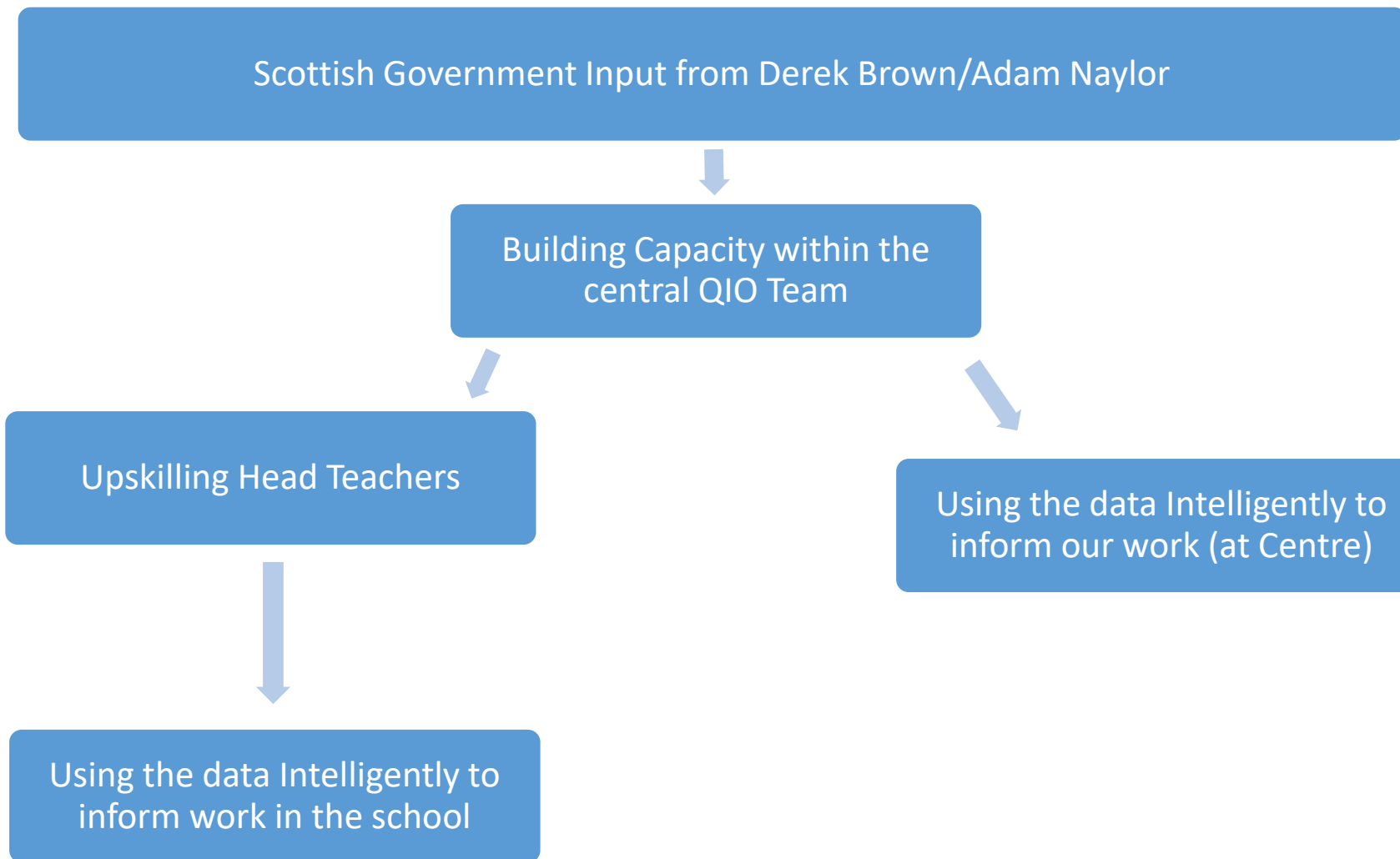
Elaine Fitzpatrick, St Mary's Primary School, Hamilton

Jill Pringle, Service Manager, Curriculum and Quality Improvement Service.



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Building Capacity within the central QIO Team

- Understanding the entire Data Landscape
- Technical information (SIMD, Comparator, Comparator Schools)
- Use of data for Improvement
- To support discussion around moderation and confidence in Teacher Professional Judgement



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Upskilling Head Teachers

- 4 x ½ day Head Teacher training sessions. (Across 4 localities) 124 Primary schools + 17 secondary schools
- Follow up training clinics (attainment data in general)
- Attainment 'paper' clinics
- Data clinics (ongoing)



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Using the data Intelligently to inform our work (at the Centre)

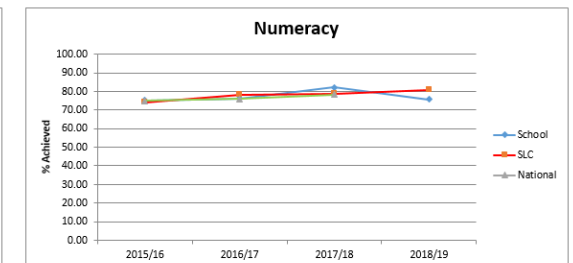
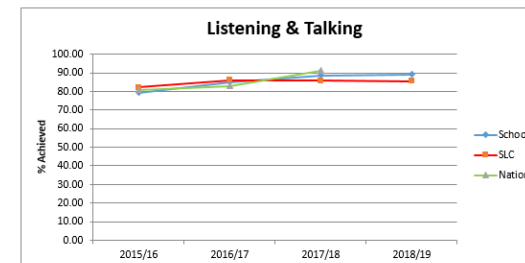
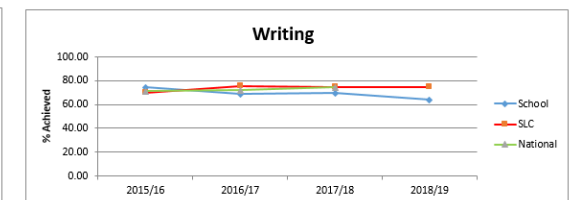
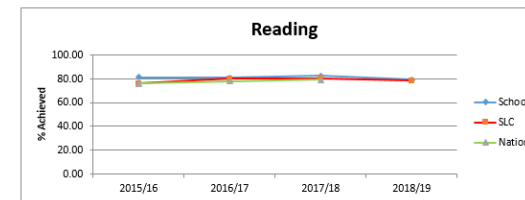
- Comparator schools to develop 'Attainment Families'
- Used to support generation of 'predicted CfE levels'
- Used in school to open dialogue around Moderation
- Part of the Flight Deck for each school

Self Evaluation	Score
Q.I 1.1	4
Q.I 1.3	4
Q.I 2.3	4
Q.I 3.2	4
Q.I 3.1	4

BGE Dashboard Comparator Data 2017/18 RAG

P1	P4	P7

Total No Care Experience Learners 15/16	Total No Care Experience Learners 16/17	Total No Care Experience Learners 17/18	Total No Care Experience Learners 18/19
4	5	5	1



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Using the data Intelligently to
inform work in the school

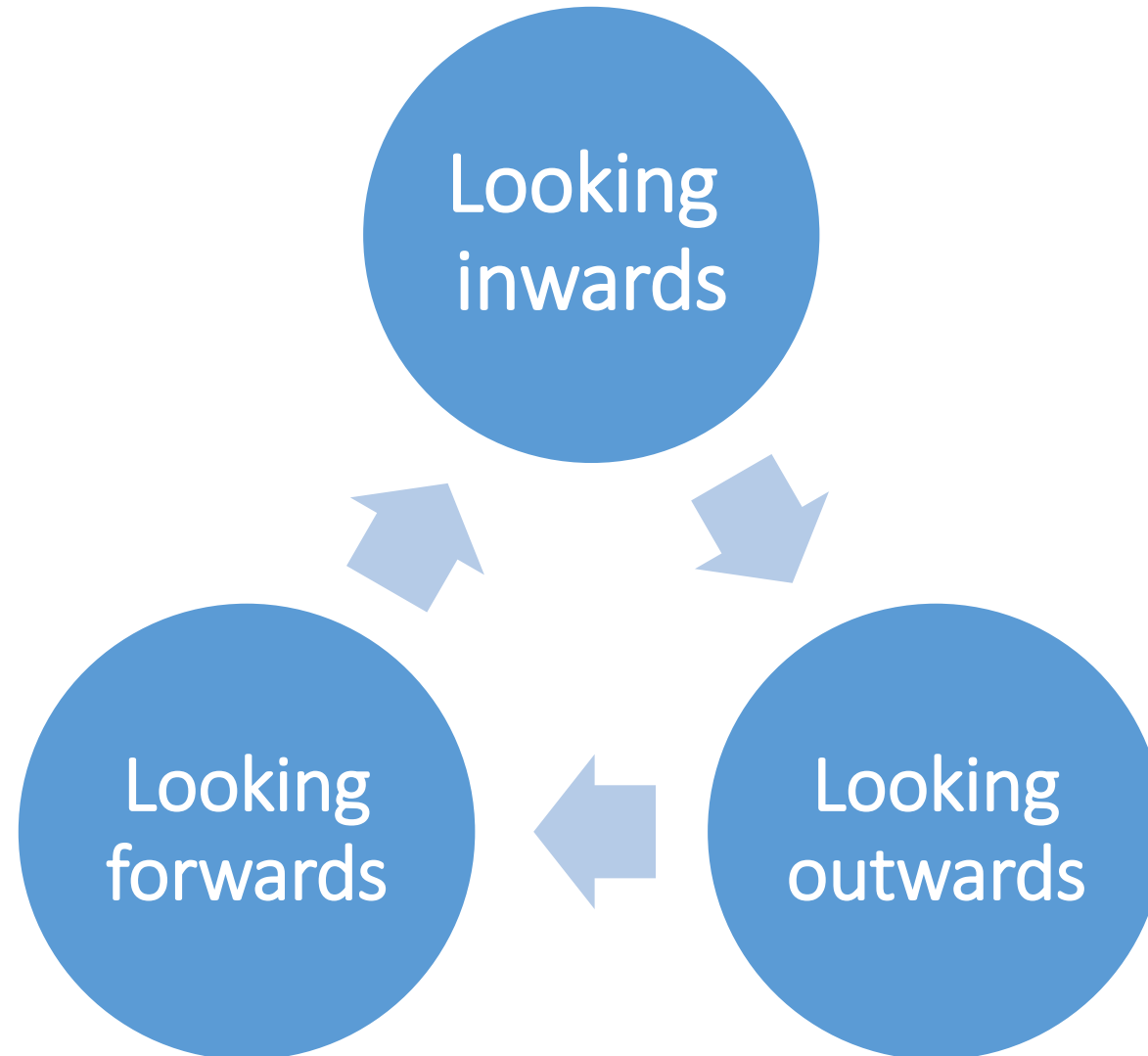
Martina Hendry – St Cuthbert’s Primary School

Elaine Fitzpatrick – St Mary’s Primary School, Hamilton



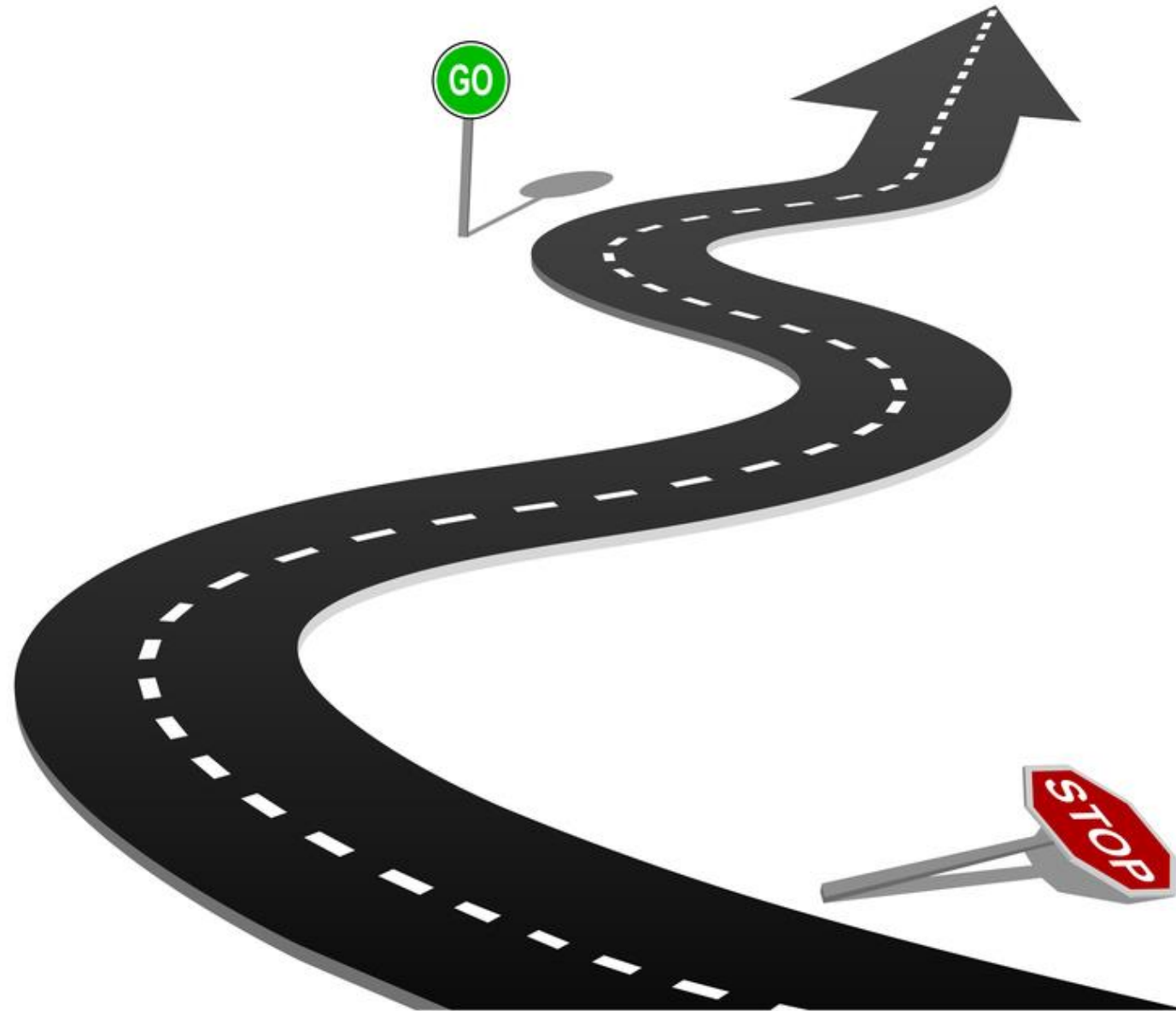
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SLC Primary School Profile 2018/2019

430 pupils

- 216 94% Average attendance
- 214 0% Exclusions

Number of pupils per stage						
P1	P2	P3	P4	P5	P6	P7
66	63	51	50	76	58	66

1 HT 2 DHTs
1 PT 1 acting PT
19 FTE teachers
9 FTE Support staff

SIMD 1, 2 & FME: 10 icons
SIMD 3 - 10 Non-FME: 20 icons

Of our 430 pupils, 12% live within SIMD 1 & 2, 9% are in receipt of Free School Meals and 10% have English as a second language. These children are present in all stages and classes. We have 37 FME pupils who live in a varied SIMD therefore our analysis uses intelligence beyond raw data and we employ an individualised approach to identifying children who will be the focus of our PEF interventions.

Through interrogation, we have discovered that FME pupils and pupils requiring support in literacy and numeracy are not solely restricted to SIMD 1 and SIMD 2. Our pupils come from a mixed catchment, the most common band being SIMD 4 then SIMD 8. A small amount of Free School Meal Entitlement pupils are evident at every stage.

Our rigorous tracking and monitoring shows that 60% of our FSME pupils have EAL and/or care and welfare concerns. This is an area of priority for our PEF interventions that we have tackled through our Family Learning and Improving Wellbeing, Equality and Inclusion priorities by individualised bespoke planning for individuals and groups of pupils.

"The sky is not the limit when there are footprints on the moon!"

Hard Work - Respect - Honesty - Love - Joy - Compassion - Forgiveness

Graphics - <https://create.piktochart.com>

SLC Primary School P4 Profile 2018/2019

50 pupils

- 23 97% Average attendance
- 27 0% Exclusions

- 30% ASN 10% PEF ASN
- 14% FME
- 10% EAL
- 4% C&W 2% PEF C&W
- 6% ASPs 4% PEF ASPs

Primary 4 – Attainment November 2018							
SIMD 3 - 10 & Non FME on track: Reading	SIMD 1-2 & EME on track: Reading	SIMD 3 - 10 & Non FME on track: Writing	SIMD 1-2 & EME on track: Writing	SIMD 3 - 10 non FME on track: listening and talking	SIMD 1-2 & EME on track: Listening/Talking	SIMD 3 - 10 & Non FME on track: Numeracy	SIMD 1-2 & EME on track: Numeracy
85%	56%	85%	56%	85%	56%	100%	89%
29% gap		29% gap		29% gap		11% gap	

Same entry year comparison of attainment

Graphics - <https://create.piktochart.com>



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SLC Primary

ASN Profile 2018/2019

430 pupils
30% Receiving support
7% PEF Receiving support



78 boys
50 girls

0.5% Hearing impairment -
Outreach support

4% Social Communication Concerns - ASD strategies in place

2% ASD - ASD strategies in place

1% 1:1 Support Staff ratio

3% Specialist Support Teacher involvement

2% Speech support

	Receiving support	Receiving support %	PEF Receiving support	PEF Receiving support %
P1	22	33%	2	3%
P2	20	32%	2	3%
P3	21	41%	12	25%
P4	15	30%	5	10%
P5	20	26%	4	5%
P6	14	24%	1	2%
P7	16	24%	3	5%
Total	128	30%	29	7%

3% Numeracy Concerns



0.5% 'Plus 1 Maths



10% Literacy Concerns

Aa



5% Phonics concerns

3% Dyslexia

- 4% Hornet
- 3% Nessy
- 3% Comprehension Support
- 3% Progress in Learning
- 2% 5 Minute Box
- 2% Teodorescu
- 2% 'Listen Up'
- 0.5% Toe by Toe
- 0.5% Reading Accuracy Support
- 0.5% Doorway Speller
- 0.5% Ticking Texts

	Staged Intervention Levels				Staged Intervention Levels - PEF pupils			
	Stage 4	Stage 3	Stage 2	Stage 1	Stage 4	Stage 3	Stage 2	Stage 1
P1	0%	2%	9%	23%	0%	0%	0%	3%
P2	3%	6%	5%	17%	2%	2%	0%	0%
P3	0%	6%	8%	27%	0%	6%	2%	16%
P4	2%	2%	2%	24%	0%	2%	2%	6%
P5	0%	1%	12%	13%	0%	1%	1%	3%
P6	0%	5%	10%	9%	0%	0%	2%	0%
P7	3%	14%	3%	5%	1%	2%	1%	0%
Total	5%	5%	7%	16%	0.50%	2%	1%	3%

Graphics - <https://create.piktochart.com>

SLC Primary

Participation Profile 2018/2019



Breakfast Club
Approximately 40 in attendance daily
Approximately 2% PEF of P1 - 7 in attendance



P5 - P7 Lego Club
Weekly after school
17 Boys 18 Girls
0% PEF involved

P 6 & P7 Football Club
Weekly after school
43 Boys 36 Girls
80% P6 PEF & 50% P7 PEF involved

P5 & P6 Study Skills Club
10 weeks after school
19 Boys 38 Girls
45% P5 PEF & 60% P6 PEF involved



P5 - 7 Chess Club
Weekly after school
30 Boys 5 Girls
11% P4 PEF & 33% P7 PEF involved



P5 Dance Club
Term 2 lunchtime
2 Boys 29 Girls
64% P2 PEF involved



P3 STEM Club
8 weeks after school
9 Boys 18 Girls
45% P3 PEF involved

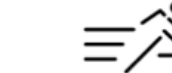
P1 & 2 Tae Kwon Do Club
6 weeks lunchtime & after school
50 Boys 45 Girls
100% P1 PEF & 36% P2 PEF involved



P6 & P7 Netball Club
Weekly after school
15 Boys 41 Girls
40% P6 PEF & 58% P7 PEF involved

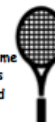


P6 & P7 Athletics Club
Weekly after school
17 Boys 35 Girls
20% P6 PEF & 33% P7 PEF involved



P1-3 Multi Sports Club
Lunchtime 12 weeks
96 Boys 84 Girls
100% P1 - P3 PEF involved

P4 Badminton Club
Term 2 Weekly lunchtime
27 Boys 24 Girls
100% P4 PEF involved



P5 - 7 Choir Club
Aug - Dec after scho
17 Boys 54 Girls
11% P4 PEF, 45% P5 PEF, 40% P6 PEF & 8% P7 PEF involved



P5 - 7 Recorder Club
Mar - Jun after school



P6 Photography Club
8 Weekly after school
8 Boys 7 Girls
100% P6 PEF involved

P6 & P7 Hockey Club
Weekly after school
17 Boys 11 Girls
20% P6 PEF & 8% P7 PEF involved



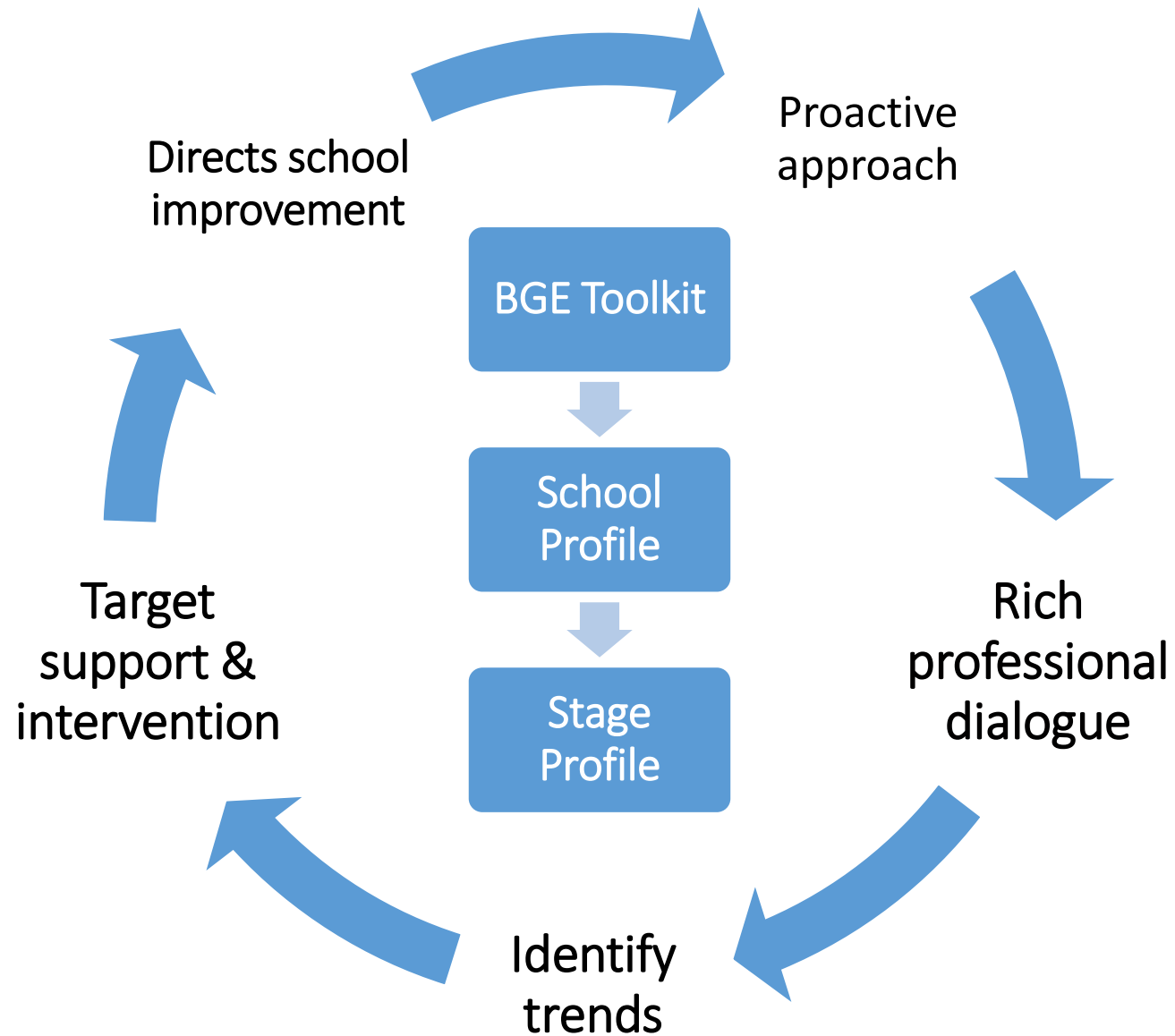
P5 - 7 Rainbows Club
2 Boys 4 Girls
12 week after school programme
83% pupils involved are PEF

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Questions