

**West Lothian
Maths Improvement
Action Plan
2018-2023**



Everyone counts in West Lothian

OUR VISION

Our vision is for every child and young person in West Lothian to develop effective numeracy and mathematics skills to enable them to thrive, and prepare them for life, future learning and work.

In order to realise our vision for the children and young people of West Lothian, the following aims have been set.

1. All staff will provide **excellent** and **equitable**, high quality experiences to engage, motivate and **inspire** all learners to meet their individual needs in numeracy and mathematics.
2. The curriculum will ensure that all children and young people achieve their potential through clear **progression** in their learning from early years through to senior phase.
3. All partners work in **collaboration** to develop and enrich numeracy and mathematics experiences for all children and young people in school and beyond.



What are the key drivers for achieving our objectives?

1 CLPL Programme 'Inspire Maths Team'

2 Curriculum Design

3 Performance Analysis (tracking and monitoring)

4 Research based interventions

5 Middle Leadership Development

6 Numeracy Learning Communities

7 Family Learning

8 Study Support and Masterclasses



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Deliverables for 2018-2023

Throughout the term of this Action Plan, we will aim to deliver on the following.

The curriculum will ensure that all children and young people receive a challenging and progressive curriculum in the Broad General Education through the delivery of West Lothian progression pathways

All staff provide effective, high quality experiences to engage, motivate and inspire all learners to meet their individual needs in numeracy and mathematics



All primary and secondary schools will have a minimum time allocation for the delivery of numeracy, as part of a flexible curriculum to meet the numeracy needs of pupils



CLPL programme and opportunities for all staff, including school leaders, teachers, PSWs, SfL and Early Years' staff, will enhance practice

All schools have rigorous approaches to monitoring and tracking of individual learners' progress to ensure appropriate progression in learning, and maximizing attainment.



All schools implement a programme which engages parents, employers and local communities to develop greater awareness of the importance of maths to everyday life and future jobs.

Devise a West Lothian problem solving strategy for primary and secondary schools (including Cognitively Guided Instruction)



Develop an online portal for resource sharing and collaboration amongst teachers

Robust preparation approaches for National Examinations. This will include Study Support, Online Support, Masterclasses and Revision Bundles tailored to the needs of schools and individuals.



Moderation practices, supported by QAMSOs, are established within and across all schools and sectors to support staff's understanding of progression and achievement of levels.

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Stretch Aims for 2023

We have identified the following key measures and stretch aims:

87% of
Primary 7 pupils
achieving CfE
Second Level
numeracy

2017 baseline:

74%

18% gap between
Q1 and Q5 of
Primary 7 pupils
achieving Second
Level Numeracy

2017 baseline:

24%

65% of S3 pupils
achieving CfE Fourth
Level in Numeracy

2017 baseline:

61%

25% gap between
Q1 and Q5 of S3
pupils achieving
Fourth Level in
Numeracy

2017 baseline:

31%

66% of S4 pupils
achieving SCQF
Level 5 Numeracy

2017 baseline:

62%

17% gap between
Q1 and Q5 of S4 pupils
achieving SCQF Level 5
Numeracy

2017 baseline:

20%

35% of S4 pupils
achieving National 5
Maths

2017 baseline:

31%

30% gap between
Q1 and Q5 of S4
pupils achieving
National 5 Maths

2017 baseline:

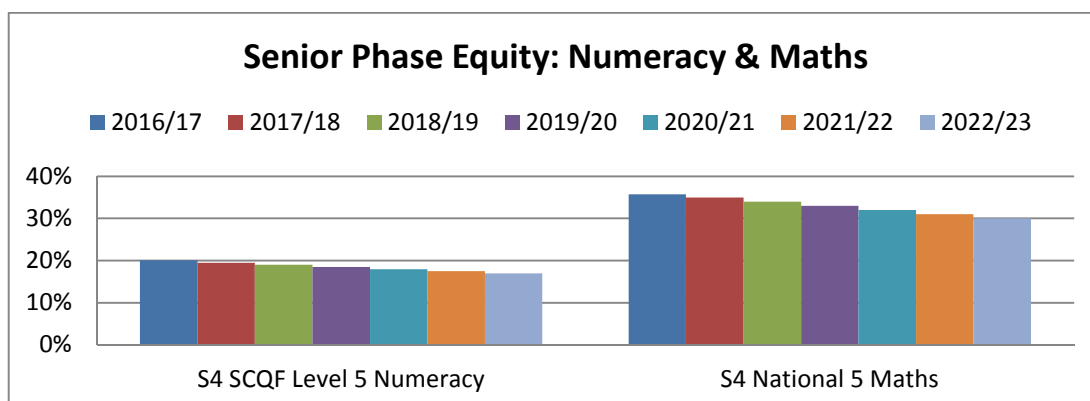
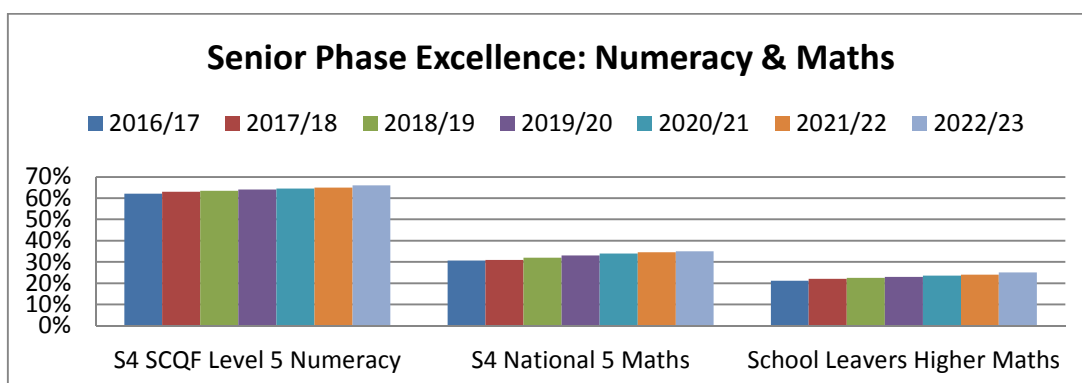
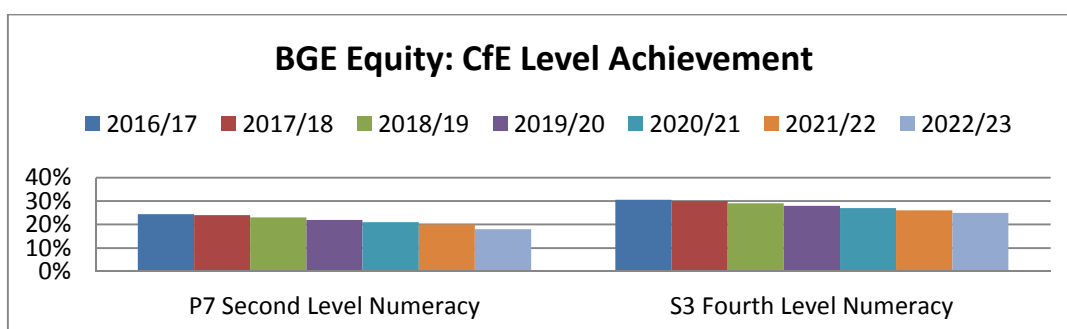
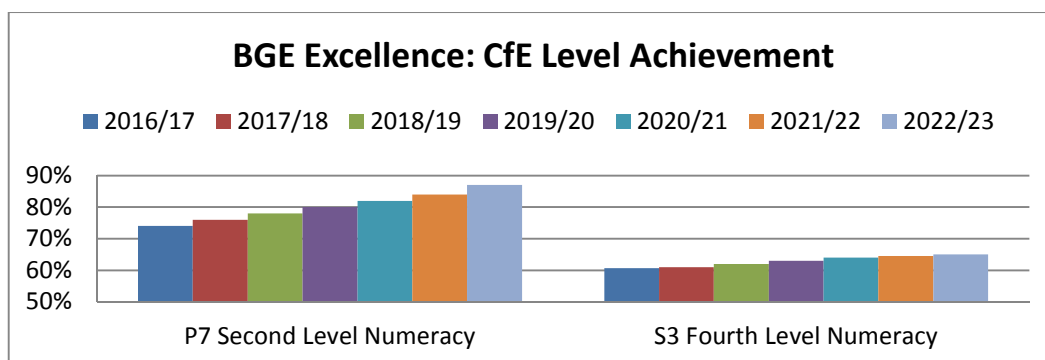
36%

25% of School Leavers
achieving Higher
Maths

2017 baseline:

21%

Year on year planned improvements



Implementation Timeline

April 2018	Maths Action Plan Engagement session with Maths/Numeracy Leaders and Practitioners
May 2018	Launch of West Lothian Maths Action Plan with all secondary Maths teachers and primary numeracy lead learners
June 2018	Key Drivers and Deliverables evident in individual school improvement plans for 2018/2019
Sept 2018	Presentation of planned West Lothian Maths Action Plan to Elected Members (PDSP)
Sept 2019	Update with 2018 performance information to inform future Action Plan engagement
April 2019	Summarise Education Scotland Inspection and local authority VSE findings for impact of West Lothian Maths Action Plan on pupil attainment and achievement at individual school level
June 2019	Key Drivers and Deliverables reviewed and revised based on findings and emerging research. Updated Drivers and Deliverables evident in individual school improvement plans for 2019/2020.
October 2020	(A full review at this stage) Full review and revision of Maths Action Plan deliverables and targets in light of local authority and school improvements. Implementation Timeline to be reviewed and revised.

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