

Mathematics Improvement 2024



GOAL FOR 2024 - TO IMPROVE STUDENTS' DISPOSITIONS AND OUTCOMES IN MATHEMATICS

SUCCESS CRITERIA

The most prominent of these dispositions relate to:

- a willingness to make mistakes and show **courage** to give maths challenges a go
- an inclination to accept and embrace struggle as a natural and expected indicator of deep learning
- a capacity to recognise mathematics as a creative endeavour
- an appreciation that great maths learners are flexible and responsive to the problems they encounter.

TARGETS

Whole School Disposition Data:

Students show increase in Disposition Survey in following areas:

- Confidence in mathematics
- Willingness to try new challenges
- Love of maths

Whole school PAT Data:

All students to show at least a 2 Scale Score improvement in their PAT data from 2023 - 2024.

ACTIONS

TERMS 1 AND 2

ACTION All classes will include **Morning Maths** tasks at the beginning of the day to build fluency and a positive disposition to mathematics

HOW

- Each teacher will agree to include morning maths tasks at the beginning of each day.
- Staff will share Morning Maths routines in PLCs and staff meetings
- All staff will share morning maths planning on FGPS Microsoft Teams

TERMS 2, 3 AND 4

ACTION Implement a whole school **instructional teaching model** – Warm-up, body of a lessons, summary of the lesson.

HOW

- Each teacher will follow an instructions teaching model for all maths lessons
- Staff will have targeted PD and time to share their progress with their PLC
- Add to whole school instructional teaching expectation to FGPS Maths Agreement

TERMS 3 AND 4

ACTION Provide weekly lessons focused on developing **Problem Solving** and maths stamina.

HOW

- Each teacher will structure 1 hour/week to a focused Problem Solving lesson.
- Each teacher will work collaboratively to adapt the DfE units of work to support yearly, term and weekly planning.
- Add Problem Solving expectation to FGPS Maths Agreement

TERMS 1, 2, 3 AND 4

ACTION Strengthen planning, content and pedagogy that aligns to the Australian Curriculum – Mathematics.

HOW

- Each teacher will plan using DfE units of work and own resources
- Planning overviews will be uploaded to Microsoft Teams
- Share planning with colleagues during PLCs