

Reduce failing rate of students in Maths

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Kategori projek: Akademik

School Context

Prime International is a local private school offers IGCSE curriculum for their primary and secondary students.

Early Data

Data 1: Quiz scores

- Findings:
Quiz 1 = 3/19 students failed, Quiz 2 = 9/19 students failed, Quiz 3 = 11/19 students failed

Data 2: Teacher Evaluation Report

- Findings:
Weakness = multiple maths processes together, weaker students may not be able to follow lesson

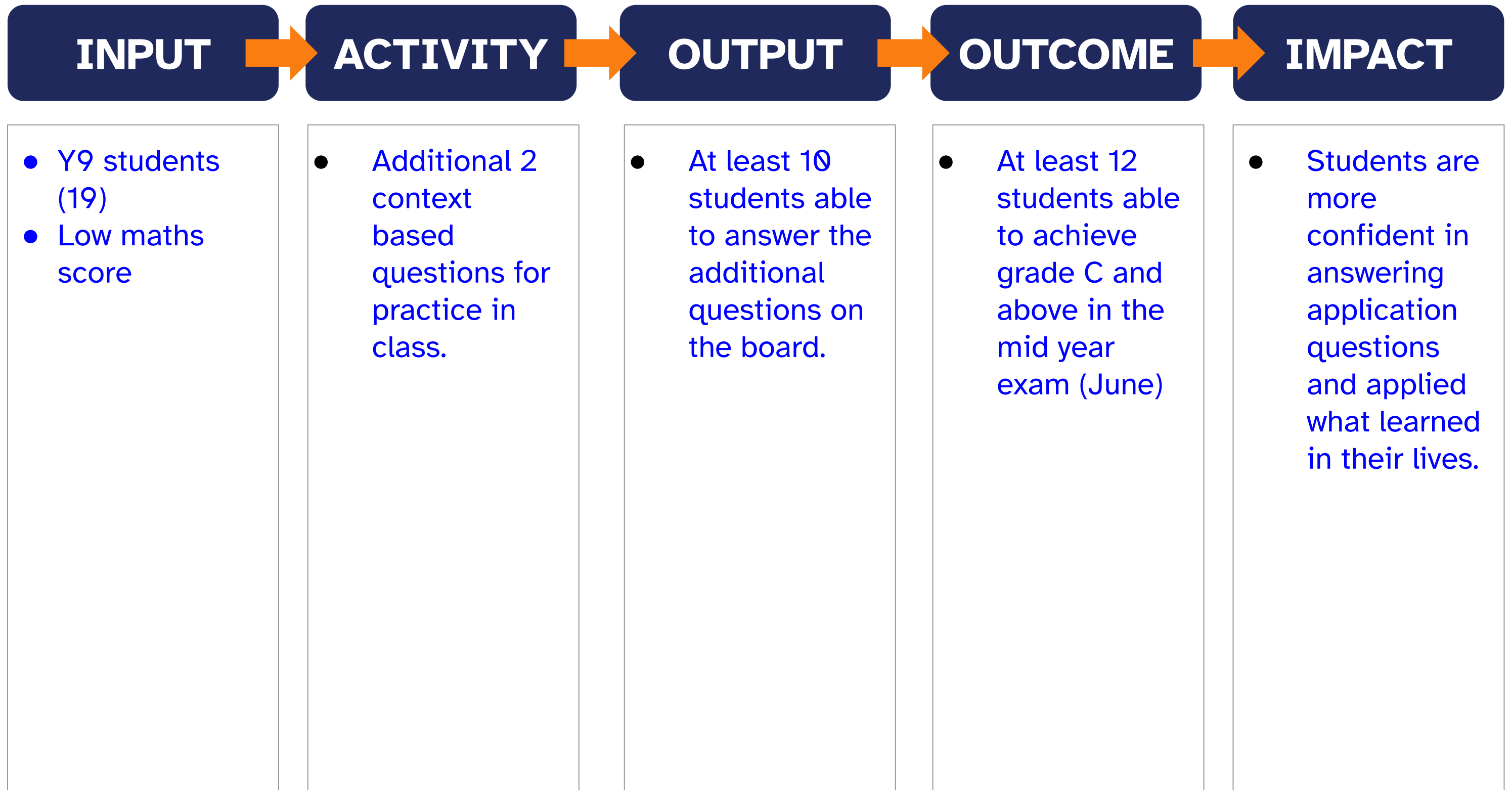
Data 3: Student Survey

- Findings:
Lowest score = Teaching method (2.2/4.0) ; Highest score = Overall experience (3.4/4.0), Confidence (3.4/4.0) dan Class Activities (3.4/4.0)

Problem Statement

Formative assessment Quiz 2 shows 9/19 students (47.4%) failed to achieve min marks 20, (full marks 40) and Quiz 3 shows 11/19 students (57.4%) failed to achieve min marks 20 (full marks 40). Teacher evaluation shows teacher weakness is using multiple maths processes and weak students unable to follow the lessons. Teacher's area of improvement is the teaching method (score 2.2 / 4.0).

Planning: Logic Model



Outcomes and Next Steps

Latest Data

Sources:

1. Term 1 Assessment Marks
2. Survey
3. Mid Year Exam (MYE) Marks
4. Teacher Observation

Outcome:

- Out of 19 students, 10 students failed their Term 1 Assessment (which was their First Assessment)
- Out of 19 students, 10 students failed and 9 students obtained at least C in Mid Year Exam.
- Students who failed had improved about 10 marks from previous assessment.
- Evaluator noted that the teacher's classroom management improved, having good interaction with students and bonding with students.

Next Steps

1. **Student buddies** are assigned and they work in pairs during lesson. Teacher provide additional questions for class practice. Students to attempt selected questions in class.
2. **Extra remedial lessons** after school.
3. Continuous **formative assessment** during lessons. **Mini games** were conducted to engage students.
4. Replicate and extend this project in **new school in 2026**
 - a. Y10 students taking ESL
 - b. English proficiency level