



**Effectiveness of Google Future Classroom, Maharashtra
A Rapid Beneficiary Assessment**

FUTURE CLASS

Program framework

Google Future Classroom (GFC) solution offers a joint stack for K-12 education which includes subject-specific digital content, assessment solutions, personalised as well as group learning devices, cloud-based education applications, and professional development of teachers.

GFC is supported by GAfE (Google Apps for Education) and caters to six different learning spaces: Investigate, Create, Present, Interact, Collaborate and Develop. The solution aims to enhance students' agency in the process of learning and facilitate teachers to cater to the individual learning needs of students. Schoolnet India Ltd. as an implementation partner for the Yuva Unstoppable set up GFC at seven schools in Mumbai reaching over 4500 secondary school students.

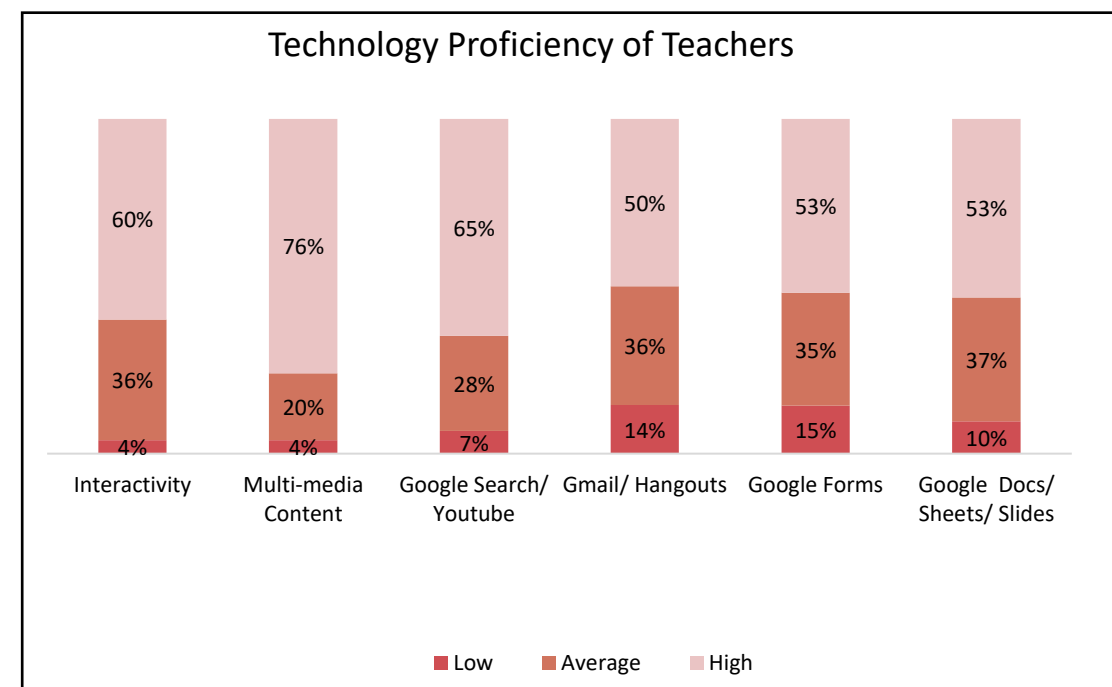
The Methodology

The universe of the study was 7 schools across Mumbai and Thane; wherein over 4500 students of Grades 5-10 were the primary beneficiaries. Data was gathered from all the 7 schools using structured questionnaires covering 7 principals, 7 program managers, 26 teachers, and 200 students about their GFC experience.

Findings

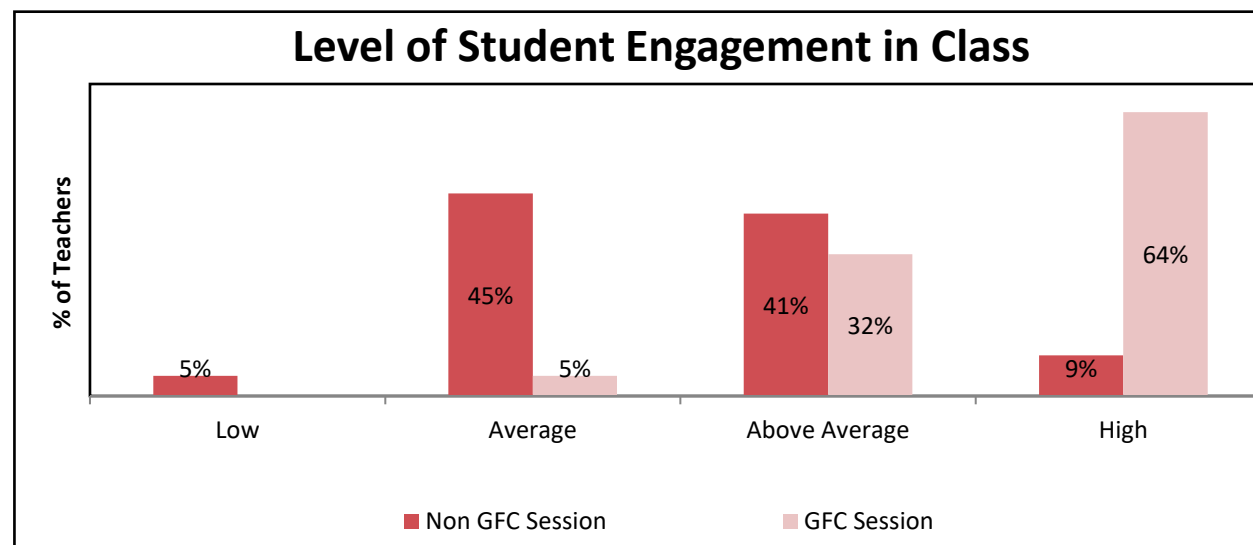
Teachers across all the 7 schools were trained for efficient use of GFC to enable them to transform the teaching-learning environment at the schools. In effect, teachers enhanced their technological competencies. As indicated in the graph, a large majority of the teachers rated their technological skills as high or average following the training they received.

Across the schools 73% teachers shared using GFC at least thrice a week. This indicated good adoption of the GFC solution at the schools. The solution helped teachers transform teaching-learning environment at the schools and thereby improved student outcomes.



Transformed Teaching-Learning Environment

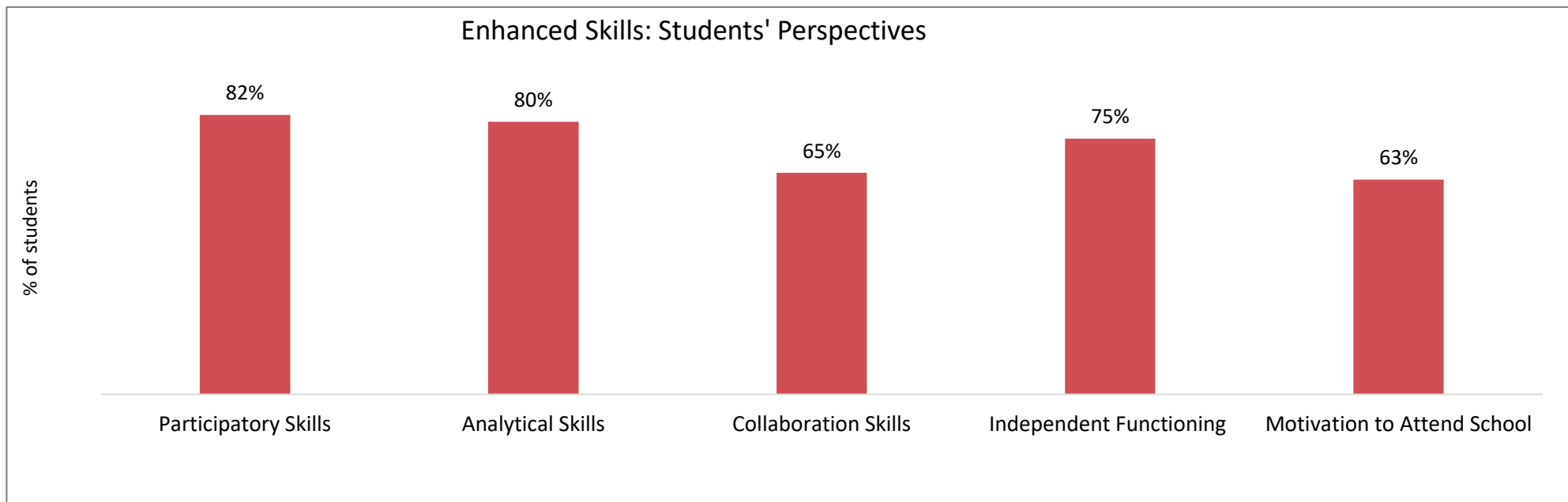
GFC helped teachers create a participatory teaching-learning environment with interactivity & multi-media content which retains students' interest and helps them learn by engaging multiple senses. Teachers shared that adoption of GFC facilitated differentiated learning (62%), collaborative learning (62%) and inquiry-based learning (62%) and improved learning ownership (77%) among their students. This transformation of teaching-learning environment is likely to help students enhance their higher order thinking skills.



When asked to compare level of student engagement in a GFC session with that in a non GFC session, teachers shared that students were better engaged during a GFC session compared to a non-GFC session. 64% teachers shared that students were highly engaged during a GFC session compared to only 9% teachers indicating high student engagement during a non-GFC session.

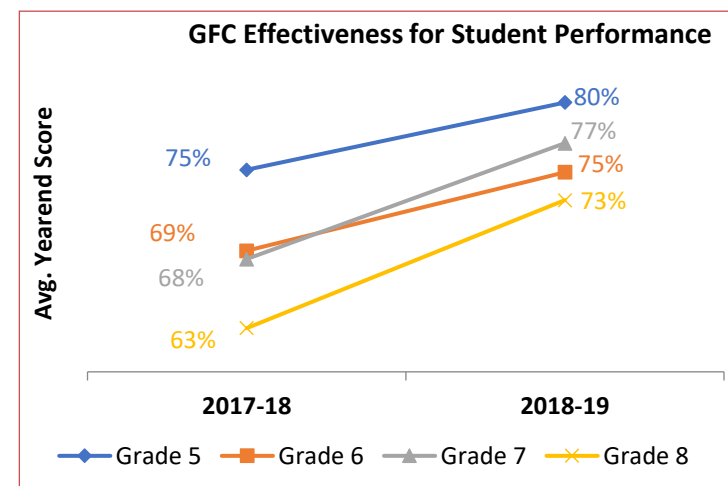
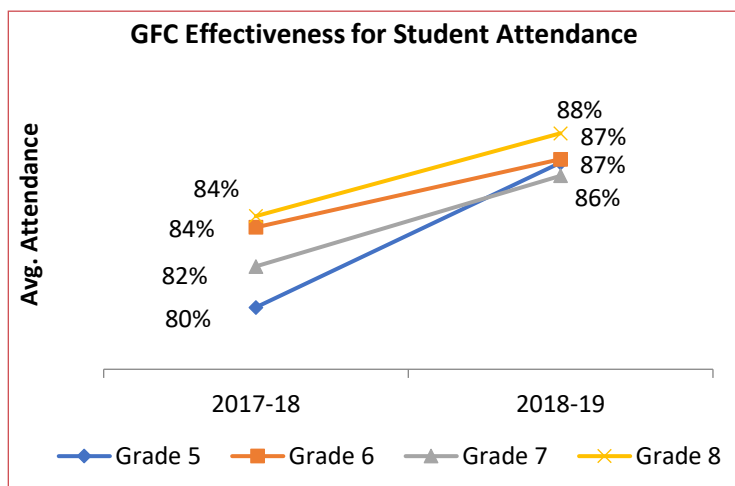
GFC Benefits for Students

Students were asked about the activities they enjoyed during GFC sessions & to rank the skills they believed they acquired/strengthened through exposure to GFC. Students shared enjoying exploring the internet, watching multimedia content, & working in Google forms/docs/sheets. Over 80% students believed that GFC helped them enhance their participation and analytical skills, 75% students believed they were able to function independently with GFC and over 60% students believed their collaboration skills and motivation to attend school improved with GFC.



Gain in Average Student Attendance & Student Performance

GFC for teaching learning at schools is likely to improve student interest in studies thereby increase student attendance & exam scores. While the study could not control for the extraneous variables that could influence attendance and exam scores; in the absence of any other robust intervention at the project schools during GFC project implementation, it would be safe to assume that GFC could have contributed at least in part to the overall gains.



Student attendance data during GFC project implementation showed overall average gain of 6% across Grade 5-8 students. Maximum gain in attendance (7%) was witnessed for the students of fifth grade. An average gain of 9% in academic performance of students across grades 5-8 was visible. Maximum gain in year end exam score was observed for the students of fifth grade. This is congruent with improved attendance for grade 5 students. It appears that improved teaching learning environment improved student attendance at school and their performance in the year end exam.

Key Conclusions

- 65% of the teachers conducted a minimum of three GFC sessions per week and shared being confident to conduct GFC sessions independently
- More than 60% of teachers agreed that GFC facilitated multiple teaching strategies like- inquiry based learning, differentiated learning & collaborative learning.
- 64% of the teachers shared that GFC enhanced level of student engagement in classroom and 82% of the students corroborated to the same
- 80% students believed the initiative fostered their analytical abilities & 63% believed it increased their motivation to attend school
- School data available indicated an average of 6% gain in school attendance of 5-8 graders
- 9% gain in academic performance of 5-8 graders was observed at the end of one year of GFC implementation

Thank You!

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