

TIMSS RESULTS of GRADE 4 (2022-23)

Dear Parents,

We are happy to share with you the phenomenal performance of our Grade 4 (2022-23) students in Trends in International Mathematics and Science Study (TIMSS). TIMSS is an international assessment of student achievement in mathematics and science at fourth and eighth grades. 64 countries and 8 regional entities (e.g. Madrid, Spain, Quebec, Canada) participated in the TIMSS 2023 cycle. TIMSS 2023 was the eighth cycle of TIMSS.

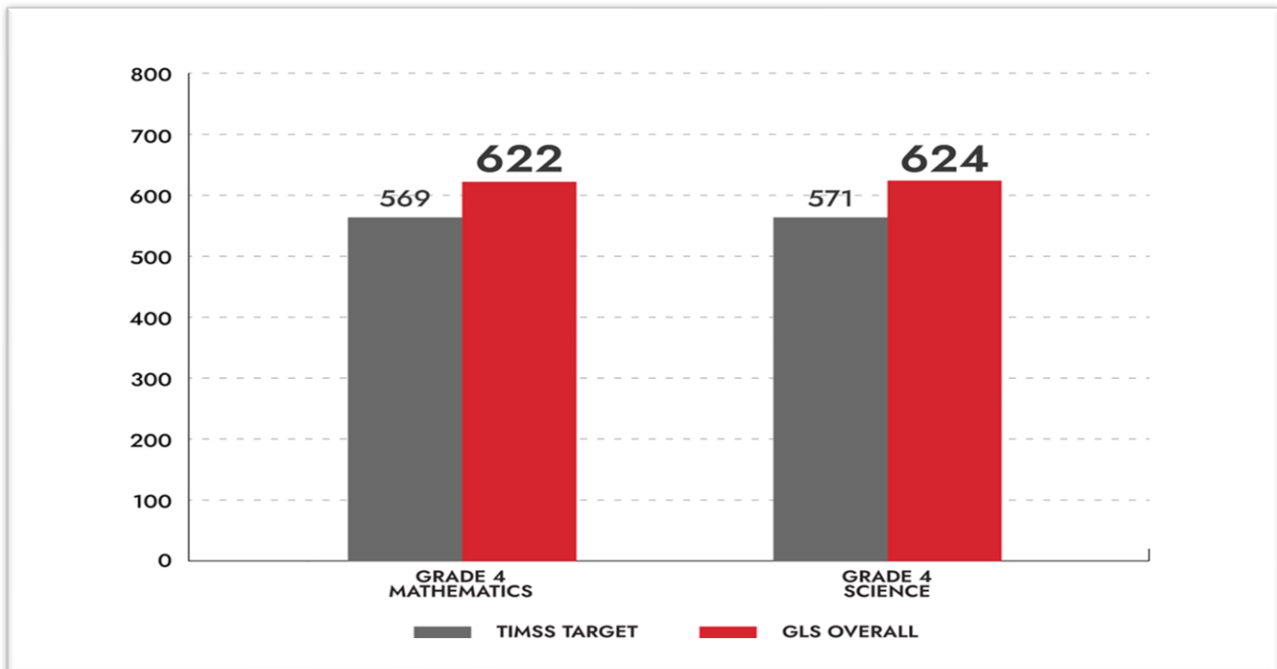
In 2023, Dubai chose to administer TIMSS 2023 in the digital format. 9500 Grade 4 students from 185 private schools and 8500 Grade 8 students from 159 private schools across various curricula participated. Our students’ average score was above the international mean.

The overall results from TIMSS provide very useful information for school leaders such as the achievement of students and their strengths and weaknesses in mathematics and science. It also helps leaders to internationally benchmark student performance, align the content of lessons and the broader curriculum to the identified needs of students in the school.

GEMS Legacy School was assigned a target range of 564 to 569 in Math and 561 to 571 in Science for Grade 4 in TIMSS 2023. Let us take a look at the key highlights of our students’ achievement in TIMSS 2023.

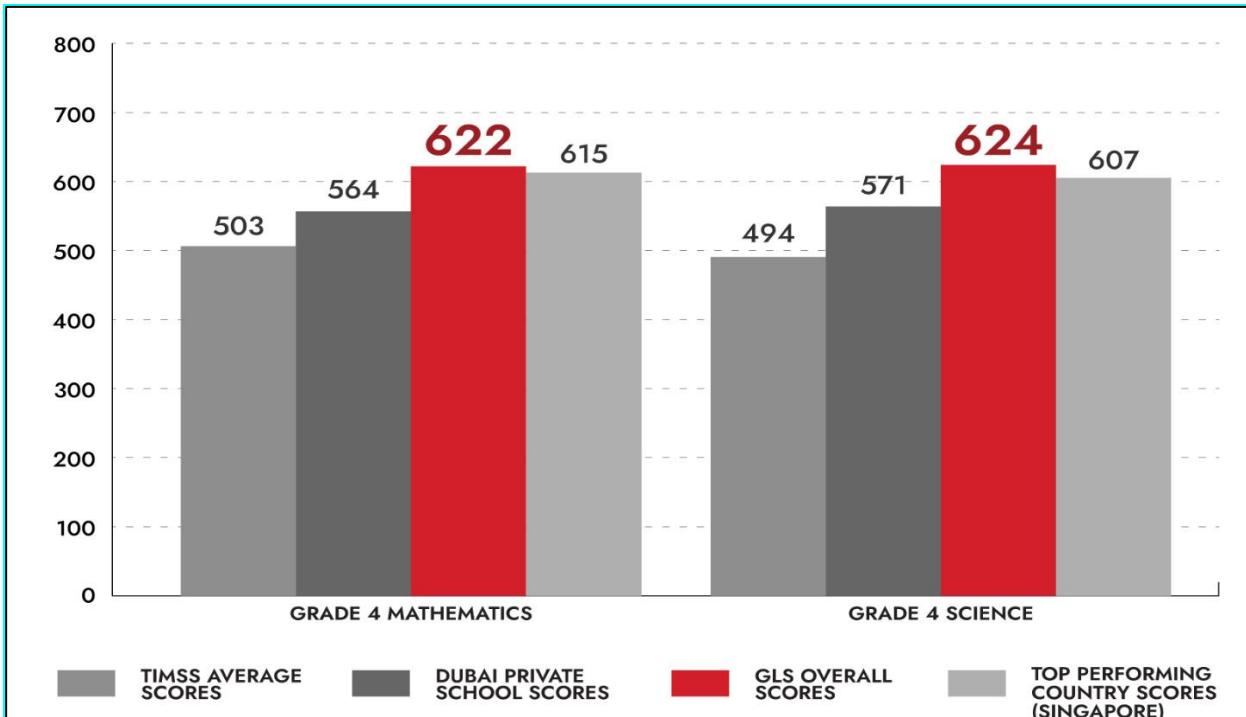
SCHOOLS OVERALL PERFORMANCE

As indicated in the graph appended, GLS has outperformed and exceeded the assigned TIMSS targets significantly, securing a high benchmark score of 622 in Grade 4 Math and 624 in Grade 4 Science.



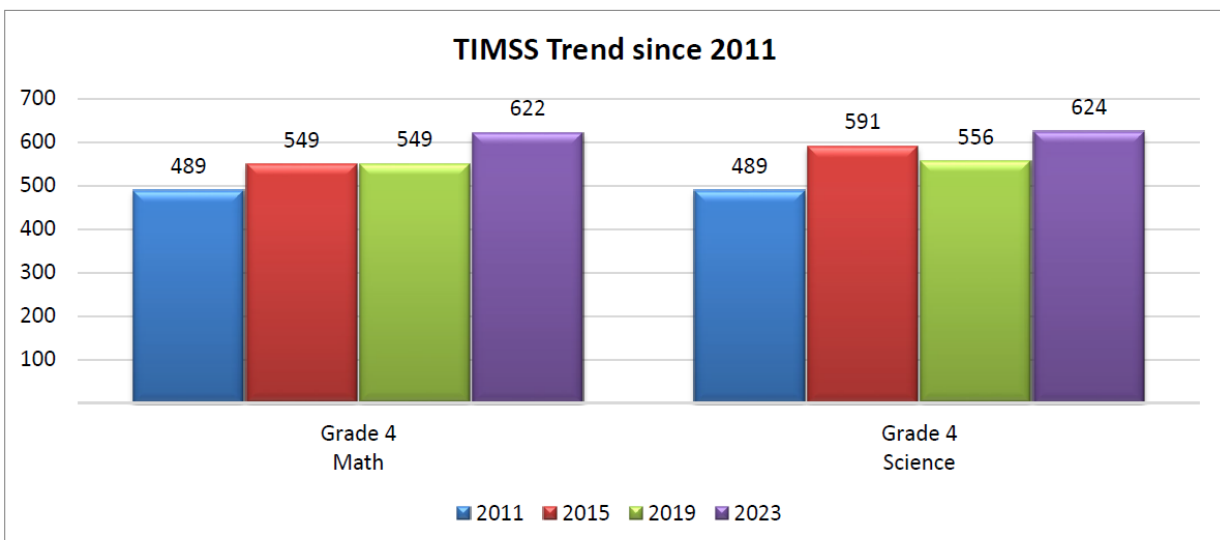
GLS STUDENTS' RESULTS IN COMPARISON TO THEIR PEERS IN DUBAI PRIVATE SCHOOLS AND GLOBAL SCHOOLS

As indicated in the graph appended, GLS students have outperformed their peers in the Dubai Private Schools and the top performing curriculum, Singapore.



TRENDS OVER TIME:

The chart appended reflects the TIMSS trend at GLS over the last four cycles of TIMSS.



The trend clearly indicates a positive upward movement from 489 in 2011 to 622 in 2023 in Math and in Science from 489 in 2011 to 624 in 2023, exceeding our 2023 targets considerably and moving very close to the TIMSS Advanced International Benchmark of 625.

PERFORMANCE OF STUDENTS IN DIFFERENT CURRICULA OFFERED IN DUBAI:

As indicated in the table below, the Indian curriculum students in Dubai have outperformed their peers studying other curricula.

Curriculum	Grade 4 Mathematics	Grade 4 Science	Grade 8 Mathematics	Grade 8 Science
Indian	586	600	579	585
UK	570	575	577	578
IB	572	572	561	564
SABIS	541	551	551	552
Private - MOE	557	556	542	537
Philippine	542	564	519	528
US	515	516	514	513
Pakistani	493	490	503	489

The exceptional TIMSS 2023 scores of GLS students has been possible because of the meticulous efforts put in by our staff and the curricular enrichments that have incorporated STREAM (Science, Technology, Research, Engineering, Art, Math) as well as EIE (Engineering is Elementary), AI (Artificial Intelligence), LEGO, Machine Learning, Robotics and Immersive Learning Labs, equipping our students with future fluencies. Our challenging Science and Mathematics curriculum which has been delivered digitally has enhanced students' critical and creative thinking competencies, innovation and problem solving skills.

We are extremely proud of all our students who have turned in scores that are immensely commendable. Thank you parents for your support and encouragement at every step of our students' learning journey. We firmly believe in strengthening this partnership so that we draw out the very best from all our students.

Warm regards,



Asha Alexander

Principal

Executive Leader - Climate Change

أشا ألكسندر
مديرة المدرسة

الرئيس التنفيذي - تغير المناخ