**ST ANDREW'S SCHOOL, TURI, KENYA**
Seeking the Highest since 1931

# UNDERSTANDING CAT4 ASSESSMENT AND TARGET GRADES

The Cognitive Abilities Test Fourth Edition (CAT4) is a suite of tests developed to support schools in understanding students' abilities and likely academic potential. Results from CAT4 can be used to inform individual and group teaching, for target setting and monitoring the performance of groups of students.

CAT4 comprises four batteries of tests that assess the main types of mental processing that play a substantial role in human thought.

Through between 150 and 200 questions, CAT4 assesses students' ability to reason with and manipulate different types of material.

The CAT4 batteries assess:

1. reasoning with words;
2. reasoning with numbers;
3. reasoning with shapes and designs;
4. thinking with and mentally manipulating precise shapes.

The set of four scores obtained from assessment with CAT4 provides a profile of a student's abilities, as well as providing an overall summary score of their reasoning abilities across the four areas. Standardised on 25,000 students with results verified each year.

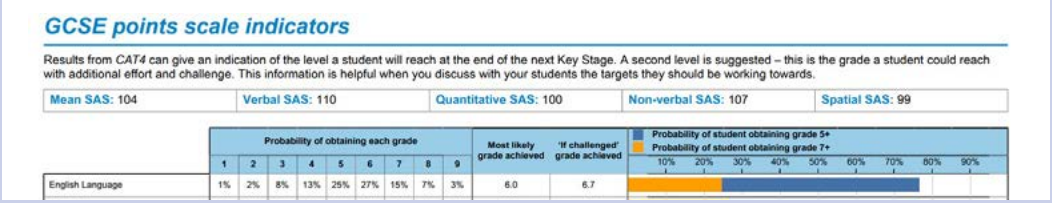
**Relationship between *CAT4* scores**

| Description | Very Low | Below Average | | Average | | | Above Average | | Very High |
|---|---|---|---|---|---|---|---|---|---|
| Stanine (ST) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Standard Age Score (SAS) | 70 | 80 | | 90 | 100 | 110 | 120 | | 130 |
| National Percentile Rank (NPR) | 1 | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 95 | 99 |

# HOW WE USE THE RESULTS

Data is provided to indicate the probability of obtaining each grade in different subjects (at GCSE, AS and A Level). The School uses the 'If challenged' grade generated to provide a target for students and parents when reporting; this is higher than the 'most likely' grade.

Below is an example of a student with a Mean SAS of 104 and the probabilities of this student achieving certain grades in English Language at GCSE.



**GCSE points scale indicators**

Results from *CAT4* can give an indication of the level a student will reach at the end of the next Key Stage. A second level is suggested – this is the grade a student could reach with additional effort and challenge. This information is helpful when you discuss with your students the targets they should be working towards.

Mean SAS: 104 | Verbal SAS: 110 | Quantitative SAS: 100 | Non-verbal SAS: 107 | Spatial SAS: 99

| | Probability of obtaining each grade | | | | | | | | | Most likely grade achieved | 'If challenged' grade achieved |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| English Language | 1% | 2% | 8% | 13% | 25% | 27% | 15% | 7% | 3% | 6.0 | 6.7 |

Probability of student obtaining grade 5+
Probability of student obtaining grade 7+
10% 20% 30% 40% 50% 60% 70% 80% 90%

One way to think about this data is: if 100 students with this profile sat the exam, one would be awarded with a Grade 1, eight with a Grade 3, three a Grade 9.

We would provide a target grade of a 7 for this student, but there is a 10% chance of getting higher and 76% lower, with grade 6 being the "most likely".

**PREP SCHOOL**
St Andrew's Preparatory School, Private Bag 20106 Molo, Kenya
Tel: +254 (0)722 209750 or +254 (0)20 2025709
Current Parents: officeprep@turimail.co.ke
Admissions: admissions@turimail.co.ke

**SENIOR SCHOOL**
St Andrew's Senior School, Private Bag, 20106 Molo, Kenya
Tel: +254 (0)735 337736 or +254 (0)20 2025708
Current Parents: officesenior@turimail.co.ke
Admissions: admissions@turimail.co.ke

www.standrewsturi.com