

## SCAT & STB Tests – Further Information

CTY Greece uses two tests, developed and scored by the Center for Talented Youth of the Johns Hopkins University, The School and College Ability Test (**SCAT**) for **3<sup>rd</sup> – 9<sup>th</sup> grade** students and the Spatial Test Battery (**STB**) for **6<sup>th</sup> – 9<sup>th</sup> grade** students. These tests measure verbal, quantitative, and spatial reasoning ability and are in Greek & English (for students taught in English and attending international schools in Greece and Cyprus).

**For foreign students**, this qualification can be acquired through the CTY JHU Center.

Unlike many tests you may have previously encountered, these tests measure verbal, quantitative, and spatial reasoning ability.

### SCAT test

There are three levels:

Elementary	grades 2 and 3
Intermediate	grades 4 and 5
Advanced	grades 6–9

The testing process takes approximately 60 minutes from start to finish. This includes time to distribute and collect test materials, read directions, and answer questions.

The SCAT test consists of two sections:

Test	Section	Number of Questions	Time
SCAT	Verbal	50	20 minutes*
	Quantitative	50	20 minutes*

\*22 minutes for the Elementary Level

The **Verbal section** measures a student’s understanding of the meaning of words and verbal reasoning ability. Verbal questions are multiple-choice analogies, which require a student to choose the best pair of words to complete an analogy. Often, there may appear to be more than one answer that fits the analogy, but the correct answer is the one that best completes the analogy.

The **Mathematics section** measures a student’s understanding of fundamental number operations. The mathematics questions are multiple-choice comparisons, which require a student to examine two mathematical quantities and determine which is greater. Problems are intended to measure mathematical reasoning ability and thus often do not require computation.

**STB test**

The STB test is an alternative test for students in grades 6–9 who wish to enroll in a CTY Greece math or science course. It is not for students who wish to enroll in a humanities course.

The testing process is approximately 75 minutes in length from start to finish. This includes time to distribute and collect test materials, read directions, and answer questions. The STB consists of four sections:

Test	Section	Number of Questions	Time
STB	Visual Memory Learning: Memorization	20 shapes to memorize	8 minutes
	Surface Development	35	14 minutes
	Block Rotations	24	15 minutes
	Visual Memory Learning: Recall	20	8 minutes

**Visual Memory Learning (phase 1- Memorization)**

This section is split into two phases: memorization and recall, with the recall subsection presented much later in the test. The memorization phase is 8 minutes long and contains 20 shapes that students memorize.

**Surface Development**

This section is 14 minutes long and contains 35 questions that assess two- and three-dimensional reasoning. These questions present a series of irregular shapes with fold lines next to a box, asking students to identify which of the shapes could be folded to create the box.

**Block Rotation**

This section is 15 minutes long and contains 24 questions that assess three-dimensional rotational reasoning. These questions ask students to mentally rotate a shape and determine a matching one from a list of options.

**Visual Memory Learning (phase 2- Recall)**

The recall phase is also 8 minutes long and contains 20 questions to answer, which ask students to identify a series of irregular shapes by their contours and interiors.

Sample test questions are provided to help familiarize you with the types of questions you will encounter during these tests.