

# **XPERTSTEM - International Science, Coding, English & Mathematics Competition**



# The XPERTSTEM Competition is organized by Oscar Education Group Ltd



## ABOUT THE XPERTSTEM COMPETITION

XPERTSTEM competition is an international platform for grades 3 to 12 students compete their knowledge with others to have their own unique ideas to be next generation's hero. We are **RISING HEROS** create an imaginative solution for worldwide problems.

XPERTSTEM is world-class STEM knowledge competitions for students, including five challenges; Science (*Natural Science, Biology, Chemistry and Physics*) *Technology-Coding, English and Mathematics*, that seeks to ensure that all students have an opportunity to pursue a career in STEM. XPERTSTEM seeks to identify the next generation of scientific leaders.

It aims to raise the level of technological enthusiasm among students from all over the world as well as to stimulate students' passion for Science, Technology, English and Mathematics (STEM). The competition builds bridges between science, technology, education, and young people across a variety of industries.



## HOW XPERTSTEM COMPETITION WORKS?



The **XPERTSTEM Competition** consists of two rounds: the **Qualification Round** and the **Elite Final**.

The **Qualification Round** is an online & onsite qualification round where students compete for the chance to secure their spot in the **Elite Final** which will be held in the United States and United Kingdom.

## XPERTSTEM Online Qualification Round

The XPERTSTEM Competition is held every year for students in grades 3 to 12. The questions for the qualification exams are created by the XPERTSTEM Academic Coordinators and are in a multiple-choice format (MCQs) with four answer options. Students must complete the test online or onsite within the given time.

To join the XPERTSTEM Online Qualification Round, students just need to register by filling out a form on our official website. Not all questions carry the same points. For example, a correct answer to question 12 might earn 1.3 points, while question 24 may only give 0.6 points.

Students can take the Online Qualification test from home or school, with supervision by parents or teachers.



# How Qualification Round Works?



## IGNITION TEST

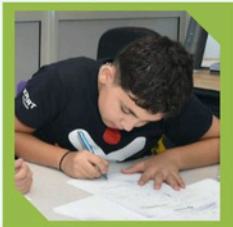
It is the first Online Qualification Test, where students begin their journey to secure a spot in the Elite Finals. In this round, students will answer 30 multiple-choice questions from the first chapter of the syllabus. The time limit for Round 1 is 60 minutes.



## ACCELERATION TEST

It is the second Online Qualification Test for students aiming to qualify for the Elite Finals. This round consists of 30 multiple-choice questions from the second chapter of the syllabus.

If students skip the Ignition Test, they can still take the Acceleration test. The time limit for this round is also 60 minutes.



## FINAL ORBIT TEST

It is the third Online Qualification test for students aiming to qualify for the Elite Final. This round includes 30 multiple-choice questions from the last chapter of the syllabus.

If students skip Ignition and Acceleration Test, they can still take the Final Orbit Test. The time limit for it is 60 minutes.



## REVIVAL TEST

It is the last chance for students who did not qualify for the Elite Final. In this test, there will be 30 multiple-choice questions covering the entire syllabus. The time limit for this test is 60 minutes.



## WHO CAN PARTICIPATE IN?

Students currently enrolled in primary or secondary school, from grades 3 to 12, are eligible to participate in the XPertSTEM Qualification Rounds. Those who qualify will have the chance to compete in the **Elite Final** held in the USA and UK.





## Multi-Languages for Onsite Qualification Rounds

The XPERTSTEM Competition allows all students to select a language for the Onsite Qualification Round. Questions will be available in three languages: English, Russian, and Turkish. However, there are no language options for the XPERTSTEM Online Qualification Round and Elite Finals. The competition and communication language for XPERTSTEM Online Qualification Round and Elite Finals is only English.

## Achievement Medal Ranking for Qualification Phase

After completing the each qualification rounds, students will receive certificates based on their total points: **30 to 49 points:** Honourable Mention Certificate, **50 to 69 points:** Bronze Medal Certificate, **70 to 89 points:** Silver Medal Certificate, **90 points and above:** Gold Medal Certificate. Students who earn a gold medal in the Qualification Phase will receive a 10% discount on the submission fee for the **Elite Finals**.

## MEDAL RANKING FOR GLOBAL FINALS



20% of participants per grade division  
Honourable Mention Certificate



40% of participants per grade division  
Bronze Medal Certificate



30% of participants per grade division  
Silver Medal Certificate



10% of participants per grade division  
Gold Medal Certificate





# XPERTSTEM ELITE FINAL COMPETITION

The XPERTSTEM Elite Final is a prestigious international competition for students in grades 5 to 12 who have qualified from the XPERTSTEM Qualification Phase. This competition challenges students to demonstrate their knowledge and skills in Mathematics. The XPERTSTEM Elite Final promotes the development of essential problem-solving, critical thinking, and cognitive skills in young learners.

The XPERTSTEM Elite Final is designed to provide a platform for identifying and nurturing academic talents. It also serves as an excellent opportunity for students to prepare for a competitive environment from an early age.

During the XPERTSTEM Elite Final, students will be expected to apply their theoretical knowledge to solve real-world challenges and critically analyze complex problems. This competition offers a valuable learning experience, empowering students to sharpen their academic capabilities while competing at an international level.

## HOW XPERTSTEM ELITE FINAL COMPETITION WORKS

The XPERTSTEM Elite Final phase consists of a competition, social activities, and excursions. During the competition, students will participate in three different types of exams: the Individual Challenge, the Theory Exam Challenge, and the Team Challenge. All exam questions will cover the complete syllabus that has been announced in advance, and the competition will be conducted entirely in English.



### INDIVIDUAL CHALLENGE

The Individual Challenge will consist of a multiple-choice question (MCQ) format with 30 questions, each offering 4 answer options. This challenge will contribute 30% of the total score students receive at the XPERTSTEM Elite Final.



### THEORY CHALLENGE

In the Theory Challenge, students must solve questions step by step, receiving points for each correct step they demonstrate. This challenge will make up 50% of the total score in the XPERTSTEM Elite Final competition, requiring students to show detailed work for every question.



### TEAM CHALLENGE

The Team Challenge encourages students to collaborate in teams of up to 3 members. Teamwork is key, as all students will work together to solve the questions. Each team must choose a leader who will be the only member allowed to communicate with the invigilator. Like the Theory Challenge, students must show their work step by step, with points awarded for each correct step. Every team member will receive the same points based on their team's performance. This challenge accounts for 20% of the total score at the XPERTSTEM Elite Final.

# OVERALL GRAND CASH PRIZES FOR ELITE FINALS



All participants will receive a XPERTSTEM certificate of participation. Participants that perform exceptionally, will receive a XPERTSTEM certificate of achievement and a medal. The Top 3 achievers per subject will qualify for grand cash prizes as follows:



**£300**  
for top position



**£200**  
for second position



**£100**  
for third position



## SPECIAL AWARDS FOR GLOBAL FINALISTS

- Enjoy discounts ranging from 10% at more than 30 universities worldwide.
- Unlock discounts of up to 20% from leading colleges in the UK.
- Unlock exclusive discounts of up to 20% at renowned language schools in the UK.

# STEM

SCIENCE / TECHNOLOGY / ENGLISH / MATHEMATICS

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