BLOOMFIELD HALL SCIENCE SOCIETY PRESENTS

OLYMPIAD

BHSS PESHAWAR

DRIVEN BY STUDENTS, DEFINED BY SCIENCE

STUDY GUIDE

TERRA NOVA

TERRA NOVA



Can you engineer solutions to the challenges facing our planet? Terra Nova puts sustainability, resourcefulness, and real-world problem-solving to the test. Teams will harness sunlight to construct functional solar ovens, investigate unknown soil samples to tackle environmental scenarios, and navigate simulated emergencies using limited resources. Each challenge demands more than theoretical knowledge, requiring participants to analyse their surroundings, make informed decisions, and defend practical solutions before a panel of judges.

Round 1:
Teams will be given two tasks to accomplish within the timeframe. First, they'll have to build a mini solar oven, which will have to heat a small sample of food using sunlight. Designs will be judged on how much temperature each team's model can produce. Next, they will be provided with different unknown soil samples from different locations. For a random scenario provided to each team, each team must conduct the relevant tests on the soil samples they were provided to come up with a suitable plan.

Round 2:
Teams will be provided with a random emergency scenario along with a custom deck of resource cards. In the given timeframe, teams must create a plan to counter the given emergency using their limited resources and present it to the judges.

Round 3:
Round 3 is a surprise that will be revealed at the end of day 2 (hint: Renewable Energy)