



NAAC
GRADE **A+**

SHIVALIK COLLEGE OF ENGINEERING, DEHRADUN

SCIENCE

CHAMPIONSHIP 3.0

FINDING THE NEXT EINSTEIN...

THEME

SCIENCE, SOCIETY & ENVIRONMENT



For More Info:-

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SATURDAY
16 NOVEMBER 2024

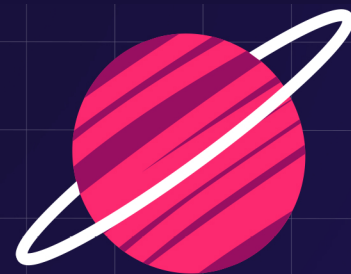
VENUE

Shivalik College of Engineering,
Dehradun

VISION

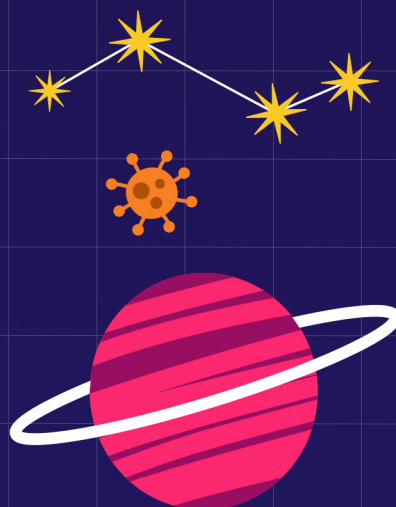


The Science Championship aims to ignite the flame of scientific curiosity and inspire innovation in young minds. We seek to provide an inclusive platform that fosters creativity, nurtures critical thinking, and empowers students to become tomorrow's STEM leaders.



OBJECTIVES

- Spark interest in science through fun, hands-on experiments.
- Instill a deep passion for scientific exploration and awareness. Featuring: Devesh
- Broaden scientific knowledge and encourage practical application.
- Engage students in exciting, educational activities.
- Offer a platform for students to showcase their talents and innovations



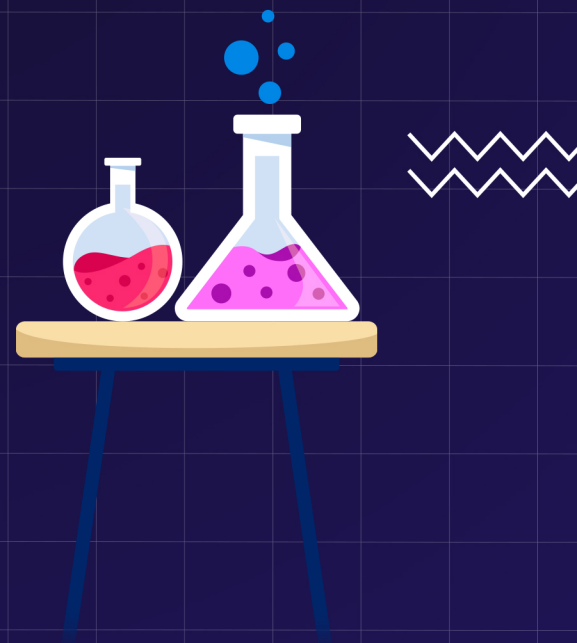


PARTICIPATION

- **Category:** Projects/Working Models
- **Team Structure:** A school can send up to 3 teams, each consisting of 3-5 members.

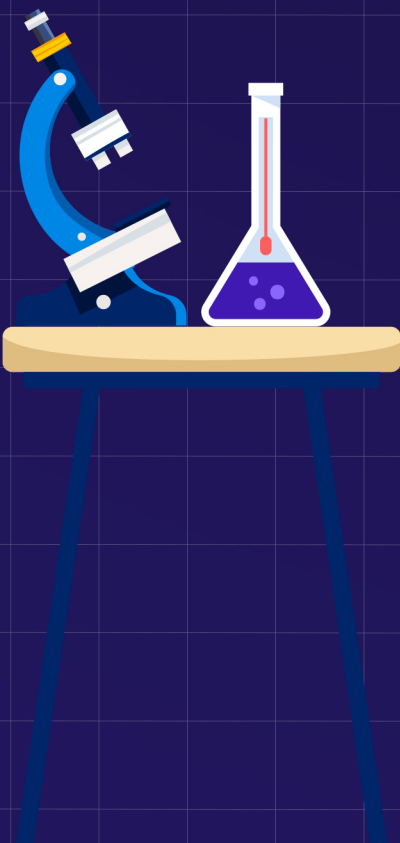
PRIZE CATEGORY

- Best Scientific Award
- Best Community Impact Award
- Best Scientific Impact Award
- Best Education Builder Award
- Best Educator Award



INSPIRING IDEAS FOR SUB-THEMES SPACE TECHNOLOGY

- Build model rockets, exploring the science behind aerodynamics and propulsion.
- Create a solar system model to understand the vastness of space.
- Track satellites in real-time using online tools.
- Design space habitats for future Mars missions, addressing sustainability & life support
- Assemble a simple telescope or a backyard observatory.
- Construct and program mini Mars rovers for simulated Martian exploration.



INSPIRING IDEAS FOR SUB-THEMES

AGRICULTURE AND FOOD SECURITY

- Study the impact of climate change on agriculture and food security.
- Explore sustainable soil and water conservation techniques.
- Apply biotechnology and genetic engineering to improve crop yields.
- Compare organic and chemical farming methods.
- Research eco-friendly pest control solutions.
- Develop innovative storage and preservation methods for food & agricultural products.

ENERGY RESOURCES & CONSERVATION

- Design eco-friendly green buildings that harvest energy.
- Build solar-powered devices like water heaters, dryers, or lighting systems.
- Explore models for generating electricity from tidal waves, ocean currents, or biomass.
- Investigate the use of biofuels and renewable energy for sustainable development.

HEALTH & WELL-BEING

- Raise awareness on maintaining good health and preventing diseases.
- Demonstrate how lifestyle choices impact health, backed by scientific research.
- Explore the role of biotechnology in the development of new medical solutions.
- Create models for low-cost, nutritious food alternatives.

ENVIRONMENTAL CHALLENGES

- Examine environmental issues like pollution, deforestation, and climate change.
- Investigate renewable energy solutions to mitigate global warming.
- Explore innovative waste management and pollution control techniques.
- Research the effects of human activities on air, water, and soil quality.

MATHEMATICS IN DAILY LIFE

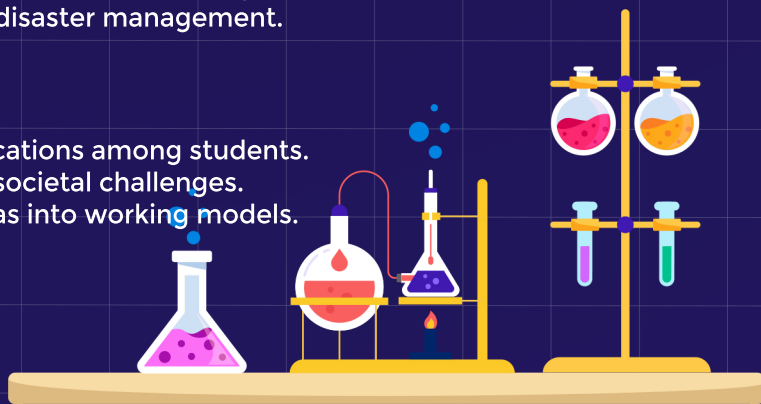
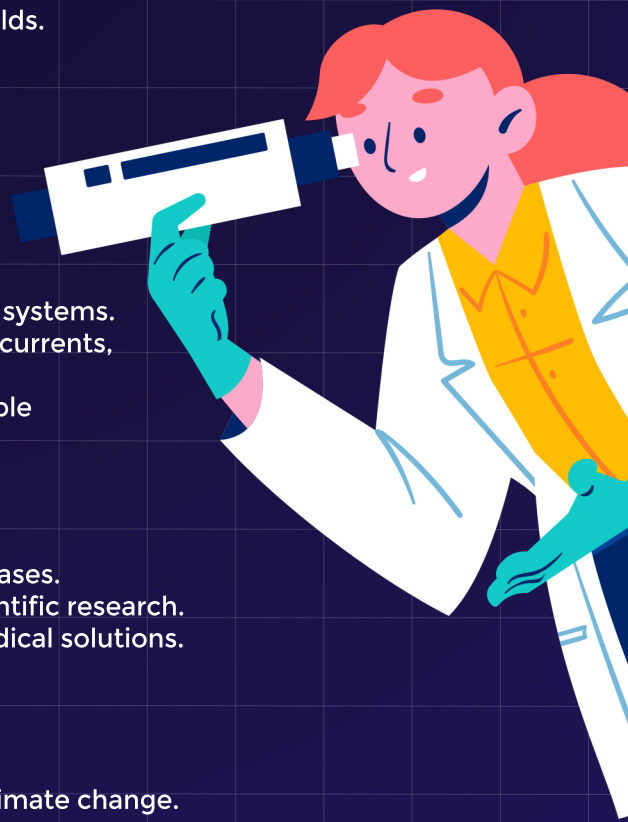
- Calculate real-life financial scenarios, like interest rates or savings.
- Explore geometric principles in the design of practical objects like water tanks or furniture.
- Apply mathematical principles in cooking, nutrition, or space optimization.

DISASTER MANAGEMENT

- Develop advanced communication systems for disaster response.
- Design flood alarms, cyclone warning networks, and weather prediction systems.
- Research the impact of global warming on health and disaster management.

EXPECTED OUTCOMES

- Foster a passion for science and awareness of its applications among students.
- Encourage students to think innovatively and address societal challenges.
- Provide hands-on experience in turning innovative ideas into working models.





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LAST YEAR WINNING SCHOOLS

BEST SCIENTIFIC AWARD

- + Army Public School
- + The Asian School
- + GIC Selaqui

BEST SCIENTIFIC IMPACT AWARD

- + SGRR Patel Nagar
- + Subhash Chandra Bose Academy

BEST BUILDER AWARD

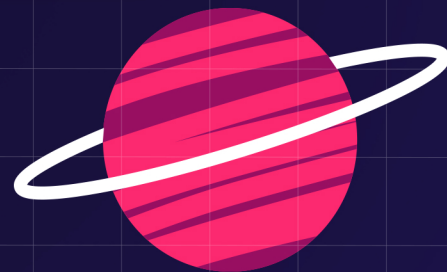
- + Birla Open Minds International School

BEST COMMUNITY IMPACT AWARD

- + SD Public School
- + SGRR
- + BR New Modern School

BEST EDUCATOR AWARD

- + Army Public School (Ms. Anjali Negi)





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Finding The Next Einstein...



IN COLLABORATION WITH

USERC

उत्तराखण्ड विद्यापीठ संस्थान
शिमला
उत्तराखण्ड

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