

Circular: Science Spectrum / Causa Scientia 2025

"Most of man's problems upon this planet, in the long history of the race, have been met and solved either partially or as a whole by experiment based on common sense and carried out with courage" Let's explore some new experiments with new ideas and new research.

#### Dear Parents,

TGES encourages its students towards scientific thinking, understanding the deeper scientific principles and to showcase their innovative creations through "Science Spectrum".

#### Dear Students,

Get ready to explore the fascinating world of science and technology! Science Spectrum 2025 is all about showcasing your creative ideas and solving real-world challenges with science. We are excited to announce that the event will take place from **23rd June to 28th June** and is open to all students from **Grade 6 to Grade 8**.

#### **Event Theme:**

Science and Technology for a Sustainable and Inclusive Future

#### **Competition Themes:**

The sub-themes for each category are enclosed in the attachment

#### **Competition Categories:**

Category A – Grade 6, 7, and 8

### Project Guidelines:

- Participation is mandatory, in teams of two.
- Models can be working or non-working, showcasing scientific ideas.
- Purchased/readymade projects are not allowed.
- Use affordable materials aligned with the 3Rs (Reduce, Reuse, Recycle); thermocol is not permitted.
- Any use of flame must be done under teacher supervision.
- Projects must be discussed and approved by the Science Teacher.
- Presentation time: 3 to 5 minutes per team.
- Sub-themes are shared in the attached document.

# Presentation Schedule:

- 26th June Grade VI
- 27th June Grade VII & VIII

#### **Evaluation Criteria** (for both Science Spectrum & Causa Scientia):

- 1. **Scientific Understanding & Concept Clarity:** Assessing depth of knowledge and clarity in explaining scientific concepts.
- 2. **Originality and Creativity:** Evaluating fresh, innovative ideas and approaches.
- 3. **Experimentation / Working Model Quality:** Judging the functionality and quality of the model or experiment.
- 4. **Presentation and Communication Skills:** Focusing on effective communication and engagement during the presentation.
- 5. **Practical Application / Real-world Relevance:** Assessing how the project applies to real-world scenarios or challenges.

### Science Spectrum Selection & Awards:

• Top 3 winners per grade (1st, 2nd, and 3rd place) will be announced as winners of Science Spectrum 2025 on 14 July.

#### **Causa Scientia 25-26 - Eligibility for Inter-School Science Competition:**

- One best team each from Grades 6–8 (Category A) Science Spectrum winner will represent our school at the Inter-School Competition – Causa Scientia, to be held on 26 July at The Global Edge School, Kokapet.
- Only **ONE** team will be selected from each category to represent the school, so bring your best scientific ideas forward!

#### **Exciting Prizes and Awards for Causa Scientia Winners:**

- Winners will receive the **Butterfly Edufields Kit**, a hands-on STEM kit that sparks curiosity, creativity, and critical thinking through real-world science exploration.
- Cash Prizes for the top performers!
- **Recognition** for outstanding contributions.
- An incredible chance to showcase your work on a bigger platform and compete with top schools!

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Start brainstorming and get ready to make a mark with your scientific creativity. We can't wait to see what you come up with!					
Best Regards, <b>The Science S</b> The Global Ec		nagar.			



# SCIENCE SPECTRUM 2025

### .. Unleash the Scientist Within

Where mere observation takes place, knowledge inches forward; where experiments come to life, knowledge takes a giant leap.

- **Dear Parents,** At TGES, we invite students to embark on a thrilling adventure, unveiling the science behind everyday objects.
- Science Project Competition for Grades 1 to 5: Criteria and Details

# **1** Individual Participation

Participation is individual, fostering independent thinking and creativity and also their communication skills.

# Unleash Your Imagination

Create either working or non-working models that bring your scientific ideas to life.

# Project Blueprint

Projects must include a detailed chart containing:

- / Title of the project
- Principle behind the project
- Q Background research (a simple explanation)
- Abstract or description of your work
- Any app<mark>licable variables or observations.</mark>
- **Order of Prelims and Finals** We will conduct a **Preliminary Round to** review all projects and select the best ones.

The **Finalists** will then move on to the **Final Round** to present their work.

#### Project Selection

Choose a topic that is grade appropriate. We encourage innovative ideas that showcase a deeper understanding of science. Seek help from your science teacher for suggestions and feedback on your project ideas.

- **Effective Communication** Develop the ability to explain your project's concept, principle, Description, Working, Application and any special materials used.
- Master the Art of Presentation A maximum of 3 minutes will be allocated per team for presenting and explaining your project.
- No Store-Bought Shortcuts Projects purchased from the market will be disqualified. Originality is key.
- **Sustainable Materials** Utilize cost-effective and environmentally friendly materials that align with the 3Rs (Reduce, Reuse, Recycle). Thermocol is not permitted.
- ▲ Liquid Precautions If your child's project involves liquids, please ensure to send a large tray that can comfortably fit the items and catch any spills in case of accidents. Additionally, kindly send a cloth or sponge for quick cleanup. This will help keep the work area tidy and prevent any mess.

# **EXAMPLE 1** Competition Schedule for Prelims & Finals

Class	Date & Day of Prelims	Date & Day of Finals
I	18/06/25 - Wednesday	26/06/25 - Thursday
II	17/06/25 - Tuesday	25/06 /25 - Wednesday
III	19/06/25 - Thursday	27/06/25 - Friday
IV	16/06/25 – Monday	24/06/25 - Tuesday
V	17/06/25 - Tuesday	24/06/25 - Tuesday

Ignite the Scientist in Your Ward We encourage and support you to inspire your children to participate wholeheartedly in this enlightening journey of scientific discovery.

#### Note to Students and Parents:

- We are sharing some suggested project ideas for your reference. However, it is not mandatory to follow them. Students are free to explore and work on any project of their choice.
- Our intention is to give you a wide range of options. You can choose from these suggestions or come up with something entirely different.

#### Please remember:

- We are not judging the project based on how beautiful or complex it looks.
- Our main focus is on how well the student is able to present and explain their project.
- We want to see the child's work, not the parent's work.

We look forward to seeing the unique ideas and confident presentations from each student!



