

Group A Competitions: Students to select any ONE

1. Model Competition

Theme: Science Matters: Engaging Minds and Empowering Future

- Models can be either working/static or an investigation-based project related to the above theme and may include
 - A concept, principle or process.
 - An indigenous design of a machine/device.
 - An innovation/inexpensive design or a technique.
 - Application of basic principles of science/ technology.
 - Scheme/design of a device or machine to reduce production cost.
- A table will be provided to keep the model. The size of the table will be 4 feet x 2 feet (maximum).
- The display board and electrical supply points will be provided if it is requested while confirming participation
- The student should arrange any other material, i.e. Laptop/drawing pins, etc.
- PRL will not bear any expenses for the preparation of the model.
- LPG/CNG or any other flammable material will not be permitted. Water connection will not be provided for any model.
- Any readymade/commercially available model will not be considered for the competition.
- A panel of judges will assess the model as per the following criteria
 - Idea, creativity and imagination - 40 %
 - Skill, presentation and demonstration - 40 %
- 2. Utility/educational value - 20%

2. SCIENCE QUIZ - “Engaging Minds for Empowering Futures”

PRL Will be organizing a quiz competition for interested students, with the questions ranging from Science, Art, General awareness, Cyber security, current affairs, famous personalities, History, etc.

Guidelines:

- There shall be 12 (tentative) teams with 5 (tentative) members each.
- A student shall be randomly allotted a team, which may or may not contain other students from the same school.
- The number of rounds and format will be made known on the quiz day, depending on the time.
- A tie-break round will be played if there is a tie among top teams.
- An elimination round may also be played if there are extremely high registrations.
- Top 3 (three) teams shall be awarded.

Group B Competitions: Students to select any ONE

1. Science Cartoon Competition

This year, PRL also announces Science Cartoon Competition as per the following guidelines. Students should make cartoons on 01 March 2025.

The theme for cartoon making: Science Matters: Engaging Minds and Empowering Future

Guidelines:

- A science cartoon needs to be created at PRL on 01 March 2025.
- A student can prepare one original cartoon related to the above theme.
- The cartoon can be made on an A4 size page.
- Cartoons must be original and created by the participant.
- The cartoons may be coloured or black-and-white but must be drawn by hand only. Computer-generated or printed cartoons will NOT be considered for the competition.
- The cartoon can have a tag-line.
- All entries should be original and should be accompanied by a self-declaration saying that the contribution is original.
- All entries should have the following details:
 - Name of the participant
 - Age
 - Class
 - School Name
 - Residential Address
 - Email
 - Tagline of the cartoon (if any).
- The PRL evaluation team will use AI tools to verify the originality of the cartoons. PRL reserves the right to reject any entry if not found originally.

2. Science Rangoli Competition

This year, PRL also announces Science Rangoli Competition as per the following guidelines. Students should make rangoli on 01 March 2025.

The theme for rangoli making: Science Matters: Engaging Minds and Empowering Future

Guidelines:

- A science rangoli needs to be created at PRL on 01 March 2025.
- A student can prepare one original rangoli related to the above theme.
- For making the rangoli, the space of maximum 1 sq. mtr. Will be provided.
- Rangoli must be original and created by the participant.

- The required colors, chalk etc. to be brought by students. Readymade cutout rangoli designs will not be allowed.
- The rangoli can have a tag-line.
- All entries should be original and should be accompanied by a self-declaration saying that the contribution is original.
- All entries should have the following details:
 - Name of the participant
 - Age
 - Class
 - School Name
 - Residential Address
 - Email
 - Tagline of the cartoon (if any).
- The PRL evaluation team will use AI tools to verify the originality of the rangoli. PRL reserves the right to reject any entry if not found originally.

3. Extempore/ Impromptu Speech Competition

Guidelines:

- Students will select a topic for their speech by randomly selecting a topic from a pool of topics as given below. The final topic will be allotted based on a draw system.
- Topics will be relative to today's youth and may include current events, and/or social issues.
- Contestants can not use any costumes, posters, visual aids, or props for their presentations.
- Contestants will be allowed 1 minute to organize their thoughts before beginning their speech. Each speech will be timed and must be of 02 minutes in duration.
- Points will be deducted for each 30 seconds over or under the time limit.
- Contestant order will be determined by a random drawing at the time of the contest.
- The contestants and audience will be present for speeches.
- Ties will be broken by the judges.

Extempore/ Impromptu Speech Topics

1. शिक्षा: पढ़ेगा भारत तभी तो बढ़ेगा भारत Education: Padhega Bharat Tabhi to Badhega Bharat
2. स्वास्थ्य: योग और आयुर्वेद Health: yoga and ayurveda
3. अंतरिक्ष मिशन: चंद्रयान, आदित्य एल1 Space missions: Chandrayaan-3, Aditya L1
4. चिकित्सा और कृषि में उन्नत तकनीकें Advanced technologies in medicine and agriculture
5. स्वस्थ पृथ्वी Healthy Earth- Suggestions to reduce pollution
6. स्थायी कृषि पद्धतियों को बढ़ावा Promotion of Sustainable Agricultural Practices
7. भारत में निर्मित उत्पाद Made in India products
8. खेलों की भूमिका और महत्व Role and importance of sports
9. विकसित भारत की कल्पना-2047 Imagination of developed India-2047
10. नई वैज्ञानिक खोजों का जोखिम Risk of new scientific discoveries