

---

---

### **Model Competition : *Curiosity to creativity through scientific thinking.***

- 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 in the registration form.
- 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 %
  - Utility/educational value - 20%

---

---

### **Science Cartoon Competition**

This year, PRL also announces Science Cartoon Competition as per the following guidelines. Students should make cartoons on 21st February, 2026.

Possible topics (choose whichever you seem fit; our preference is topic 1)

- 1) સતત પૃથ્વી માટેનું વિજ્ઞાન: હવામાન પરિવર્તનનો સામનો કરવો, નવીનીકરણીય ઊર્જાને આગળ વધારવી અને પ્રદૂષણ ઘટાડવું; एक सतत पृथ्वी के लिए विज्ञान: जलवायु परिवर्तन से निपटना, नवीकरणीय ऊर्जा को बढ़ावा देना, और प्रदूषण कम करना; Science for a sustainable Earth: tackling climate change, advancing renewable energy, and reducing pollution.
- 2) ભવિષ્યની દુનિયા: 2050 માં વિજ્ઞાન; भविष्य की दुनिया: 2050 में विज्ञान। Future World: Science in 2050.
- 3) કૃત્રિમ બુદ્ધિ: વચનો, ચિંતાઓ અને ભવિષ્ય; आर्टिफिशियल इंटेलिजेंस: वादे, चिंताएं और भविष्य। Artificial Intelligence: promises, concerns, and the future.

## Guidelines:

- A science cartoon needs to be created at PRL on 21st February, 2026.
- Each student should create and submit one original cartoon based on the above theme.
- The cartoon can be made on an A4 size page (provided by PRL). Participants are required to bring their own stationery.
- The cartoon may be coloured or black-and-white but it must be drawn by hand only. Computer-generated or printed cartoons will NOT be considered for the competition.
- The cartoon should 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 (on the back of the A4 sheet):
  - Name of the participant
  - Age
  - Class
  - School Name
  - Tagline of the cartoon
- The PRL evaluation team may use AI tools to verify the originality of the cartoons. PRL reserves the right to reject any entry that is found to be unoriginal.
- The entries will be evaluated based primarily on the following criteria: scientific relevance—how accurately and meaningfully the cartoon represents the given theme and underlying scientific concepts; creativity, clarity, and originality; artistic quality and tagline effectiveness.

---

---

## Science Rangoli Competition

The Science Rangoli Competition as per the following guidelines. Students should make rangoli on 21 February 2026.

**The theme for rangoli making:** Any of the following themes as per the student's choice.

1. આત્મનિર્ભર ભારત માટે અવકાશ ટેકનોલોજીમાં નવીનતા; आत्मनिर्भर भारत के लिए अंतरिक्ष प्रौद्योगिकी में नवाचार; Innovation in Space Technology for a Self-Reliant India
2. સમાવેશી ભવિષ્ય માટે વિજ્ઞાન શિક્ષણ; समावेशी भविष्य के लिए विज्ञान शिक्षा; Science Education for an Inclusive Future
3. સતત પૃથ્વી માટે વિજ્ઞાન: આબોહવા પરિવર્તન, નવીનીકરણીય ઊર્જા અને પ્રદૂષણ નિયંત્રણને સંબોધિત કરવું; एक सतत पृथ्वी के लिए विज्ञान: जलवायु परिवर्तन, नवीकरणीय ऊर्जा और प्रदूषण नियंत्रण का समाधान; Science for a sustainable Earth: addressing climate change, renewable energy, and pollution control.

## Guidelines:

- A science rangoli needs to be created at PRL on 21 February 2026.
- A student can prepare one original rangoli related to the above theme.
- For making the rangoli, the space of a 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.

## =====

### 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.
- Topics will be relevant 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 02 minutes long.
- Points will be deducted for every 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. સ્વાસ્થ્ય: યોગ અને આયુર્વેદ; स्वास्थ्य: योग और आयुर्वेद Health: yoga and ayurveda
2. ભારતીય અવકાશ મિશન: ચંદ્રયાન-3, આદિત્ય એલ1; भारतीय अंतरिक्ष मिशन: चंद्रयान, आदित्य एल1; Indian space missions: Chandrayaan-3, Aditya L1
3. દવા અને કૃષિમાં અદ્યતન તકનીકો; चिकित्सा और कृषि में उन्नत तकनीकें; Advanced technologies in medicine and agriculture
4. સ્વસ્થ પૃથ્વી - પ્રદૂષણ ઘટાડવા માટેના સૂચનો; स्वस्थ पृथ्वी - प्रदूषण कम करने के सुझाव; Healthy Earth- Suggestions to reduce pollution
5. ટકાઉ કૃષિ પદ્ધતિઓનો પ્રચાર; स्थायी कृषि पद्धतियों को बढ़ावा; Promotion of sustainable agricultural practices

6. ભારતમાં બનાવેલ ઉત્પાદનો; ભારત में निर्मित उत्पाद; Made in India products
7. રમતગમતની ભૂમિકા અને મહત્વ; खेलों की भूमिका और महत्व; Role and importance of sports
8. ૨૦૪૭ માં વિકસિત ભારતની કલ્પના; 2047 में विकसित भारत की कल्पना; Imagination of developed India in 2047
9. સોશિયલ મીડિયાનો જીવનમાં પ્રભાવ; जीवन में सोशल मीडिया का प्रभाव; Social media's impact in life
10. શું મશીનો (AI) ક્યારેય શિક્ષકોનું સ્થાન લઈ શકે છે? क्या मशीनें (AI) कभी शिक्षकों की जगह ले सकती हैं? Can machines (AI) ever replace teachers?
11. વિદ્યાર્થીઓએ સાયબર સુરક્ષા વિશે શા માટે કાળજી લેવી જોઈએ? छात्रों को साइबर सुरक्षा की परवाह क्यों करनी चाहिए।/ Why students need to care about cybersecurity.
12. "શું પરીક્ષાનું દબાણ ફાયદા કરતાં વધુ નુકસાનકારક છે? क्या परीक्षा का दबाव फायदे से ज्यादा नुकसान पहुंचा रहा है? Is Exam Pressure Causing More Harm Than Good?
13. દુનિયા બદલી નાખનારા પ્રખ્યાત ભારતીય વૈજ્ઞાનિકો;विश्व को बदलने वाले प्रसिद्ध भारतीय वैज्ञानिक; Famous Indian scientists who changed the world
14. રોજિંદા જીવનમાં કૃત્રિમ બુદ્ધિ; दैनिक जीवन में कृत्रिम बुद्धिमत्ता; Artificial Intelligence in daily life
15. વિજ્ઞાન વિરુદ્ધ અંધશ્રદ્ધા; विज्ञान बनाम अंधविश्वास; Science versus superstition
16. આપત્તિઓને ઘટાડવામાં ટેકનોલોજીની ભૂમિકા; आपदाओं को कम करने में प्रौद्योगिकी की भूमिका; Role of technology in mitigating disasters
17. પરમાણુ શક્તિ: મિત્ર કે દુશ્મન? परमाणु ऊर्जा: मित्र या शत्रु? Nuclear power: friend or enemy?
18. રાષ્ટ્ર નિર્માણમાં મહિલાઓનું મહત્વ; राष्ट्र निर्माण में महिलाओं का महत्व; Importance of women in nation-building
19. ગ્રીન ટેકનોલોજીનો ઉપયોગ; हरित प्रौद्योगिकी का उपयोग; Utilization of green technology
20. સૌર ઊર્જા: ફાયદા અને પડકારો; सौर ऊर्जा: लाभ और चुनौतियाँ; Solar energy: benefits and challenges