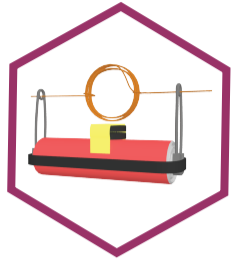
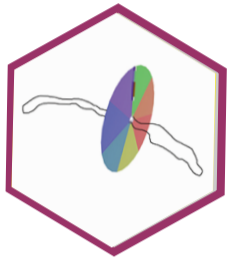




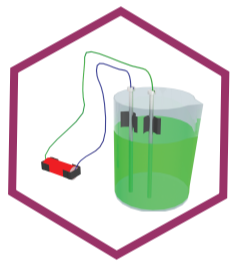
# RAMAN YOUNG SCIENCE INNOVATOR AWARD



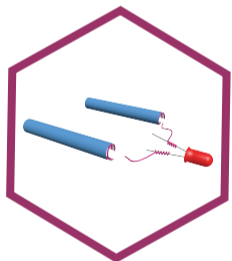
Raman Award –  
Certificate & Cash Prize



Three Categories - Junior (III & IV),  
Middle (V - VII), High (VIII-X)



Free for all Participants



Simple Materials

## REGISTRATION COMMENCES

15th January 18

## SUBMISSION ENDS

10th February 18

RYSI Winner Award  
3 Categories

RS. 20,000

RYSI Runners Up  
6 Participants

Rs. 5,000

All winners will receive  
an annual ThinkTac subscription

## CONTACT US

RYSI Award  
c/o Raman Research Institute Trust,  
Panchavati, 15th Cross,  
Malleswaram, Bangalore 560003  
ramanaward.org  
info@ramanaward.org

## SCIENCE

Science is a way of life. It is the logical, rational way of explaining things happening around us, and all over the universe at large.

Decade old fantasies are now reality by virtue of the recent achievements in science and the pace of discoveries is accelerating. Science has conferred many gifts on modern life – antibiotics, electricity, mobile phones.... far too many to be counted.

## INDIAN SCIENCE

India has a long history of contributing to science and mathematics. Ancient India is replete with the likes of Aryabhatta and Varahamihra, who made path-breaking discoveries. It was in India that the concept of “zero” was first explored and realised.

In the 1920s and '30s, even when the world was at war, Indian scientists continued to make path-breaking discoveries with very limited resources. A significant discovery was that of the “Raman Effect” in 1928, for which Sir C.V.Raman won the Nobel Prize in 1930.

Sadly, in more recent times, India’s contribution to the sciences has not kept pace with the rest of the world.

## THE AWARD

The RYSI Award has been instituted to create interest in Science at a young age, leading to more children taking up STEM as a career. The award aims to establish Science as a Fun and interesting activity that can be explored anywhere with simple materials.

The award, commemorating the discovery of the Raman Effect on 28th February, 1928 will be open to all children studying in standards III to X.

Details of the Award, organised by the RRI Trust and ISPF are enclosed overleaf. Visit [ramanaward.org](http://ramanaward.org) for registration and details.



Raman  
Research  
Institute  
Trust

**RRI Trust:** The Raman Research Institute was founded in 1948 by the Indian physicist and Nobel Laureate, Sir CV Raman, to continue his studies and basic research after he retired from the Indian Institute of Science. Sir CV Raman served as its director carrying on his personal research until his demise in 1970. It was funded personally by him and with donations. RRI Trust maintains, conducts and sustains the Raman Research Institute.



**ISPF:** Innovation and Science Promotion Foundation (ISPF), is a non-profit trust promoting Innovation and Science, especially amongst children. ISPF creates experiential learning opportunities where science can be learnt hands-on with kinaesthetic experiences that inspire innovation. ISPF provides a range of materials, resources and educators facilitating children to create, experiment, tinker and innovate to inculcate a better understanding of scientific phenomena and improve cognitive life skills. For more info, go to [ispf.ngo](http://ispf.ngo)

# THE RYSI AWARD – ALL YOU NEED TO KNOW

## UNDERSTAND

- Award Process
- Guidelines
- Topics
- Ask Questions

## REGISTER

- Award website
- Post student & contact details to address overleaf

## LEARN

- Select Topic
- Understand Topic
- Explore Resources

## INNOVATE

- Develop new
- Document
- Create Variation

## SUBMIT

- Media (Photos / Video)
- Science Summary
- Upload/ Post

## BECOME A FINALIST

- Panel of Scientists

## RECEIVE RYSI AWARD

- Recognition
- Cash Prize
- Mentoring

## IMPORTANT DATES

MILESTONE	DATE
Registration Ends	31st January
Submission Ends	10th February
Finalist Selection	20th February
Finals in Bangalore*	4th March

\*Finalists studying in Government schools will be reimbursed travel and lodging expenses. Other finalists are required to make their own arrangements.



ramanaward.org  
info@ramanaward.org

## ELIGIBILITY

Any child studying in III – X standard, anywhere in India can participate.

AWARD CATEGORY	ELIGIBLE STUDENTS
Junior	III & IV Standards
Middle	V – VII Standards
High	VIII - X Standards

Participants should not be younger than 8 years and older than 16 years. Home-schooled children in this age group can also participate. Groups are not eligible to participate. Finalists will have to provide a bona fide certificate from their school or birth certificate in case a child is home schooled.

## WHAT AM I SUPPOSED TO DO?

Participants are expected to create hands-on science activities that demonstrate a principle in the selected topic. Working models, toys or experiments that help demonstrate the scientific principle selected may be submitted. The entries will be judged based on:

- Originality of the idea
- Effectiveness with which it conveys the chosen topic
- Ease of access to materials required
- Fun – how enjoyable is the activity?

## PHASE I - FINALIST SELECTION

A registered participant may submit their entries online at [ramanaward.org](http://ramanaward.org) or send in their entry by post. The topics selected for Phase I are provided below:

CATEGORY	TOPICS PERMITTED
Junior	a) Motion & Measurement b) Matter c) Food & Clothing
Middle	a) Fluids & Thermodynamics b) Acids, Bases & Salts c) Biodiversity & Ecosystem
High	a) Vibrations & Waves b) Atoms, Molecules & Chemical Reactions c) Micro Living world

The submission should include a) Scientific Principle addressed b) Materials used c) Description of steps d) Description of Science and most importantly photos, illustration and / or video of the activity.

A total of 100 finalists will be selected.

## PHASE II - AWARDEE SELECTION

100 selected finalists will contest in Finals at Panchavati, Sir C.V.Raman's home on 4th March 2018.

During the finals, one science topic will be chosen for each category and children will be briefed on the topic and provided access to selected resources and a range of materials. Finalists are expected to create their own innovations "on the fly", and the best one, judged by our expert panel, will be declared the winner in each category.

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