

Dear Sir / Madam,

As we live in an age of science, it is essential that our students have a deep insight into the background of science. Every child is a scientist, they possess the seeds of creativeness but climate for its germination needs to be created. With a view to encourage, popularize and inculcate scientific temper among our students MIT VGS Loni is glad to organize 'Scifest', interschool science exhibition for Pune Hub.

Objectives of the Exhibition are to...

- *Provide a forum for children to pursue their natural curiosity and inventiveness to quench their thirst for creativity.*
- *Make children feel that science is all around us and we can gain knowledge as well as solve problems by relating the learning process to the physical and social environment.*
- *Lay emphasis on the development of science and technology as a major instrument for achieving goals of self-reliance, socio-economic and socio-ecological development.*
- *Highlight the role of science and technology in producing good quality and environmental friendly materials for the use of society.*
- *Encourage children to visualize future of the nation and help them become sensitive and responsible citizens.*
- *Analyze how science has developed and is affected by individuals' diverse, cultures, societies and environment.*
- *Develop critical thinking about global issues to maintain healthy and sustainable societies in today's environment.*

We solicit your creative and innovative approach for the success of "Scifest".

Principal

MIT Vishwashanti Gurukul School Loni Kalbhor

General Guidelines:

- **'Scifest'** will be conducted physically on 14th Oct 2023. Each group will be allotted a specific day.
 - The competitions shall be held as per following 6 groups.
 - Group A – Grade I and II
 - Group B - Grade III and IVCompetition 1 and 2
 - Group C - Grade V and VI
 - Group D - Grade VII and VIII
 - Group E - Grade IX and X
 - Group F - Grade XI and XII
- Competition 1, 2 and 3
- **For Competition 1 & 3 :** Each group can have 2 teams participating.
Team Size: Maximum 2 students in each team.
- All participants are required to wear school uniform during the presentation.
- The decision of the judges will be final and binding on all participants.
- Time schedule for the presentation will be shared a couple of days in advance.

COMPETITION 1: MODEL MAKING

SPECIFIC INSTRUCTONS:

- Each team can select any one topic from the ones suggested or present a topic that is sub theme related.
- Students to exhibit their skill in developing projects and demonstration of models, layout plans and presenting the underlying principles.
- The participants can use one or two charts to highlight the main points of the exhibit. The chart made should be preferably vertically as a backdrop.
- Each Team will be allotted 3 minutes to explain their chart work, scientific principle, innovativeness, relevance to theme, real life application etc. and 1 minute for the demonstration of their working models.
- A panel of experts will assess the exhibits through presentation.
- Introduction can be done through song, props, hand or stick puppet and also through other interactive methods.
- The introduction and explanation of the exhibit should be only in English.

GROUP A: GRADE – I & II

SUB THEME: Science and Food

1. Food & Health.
2. Food Pyramid.
3. Role of food science in human nutrition.
4. Any other sub-theme oriented.

GROUP B: GRADE – III & IV

SUB THEME: Sustainable Energy

1. Harnessing Wind.
2. Energy from Water.
3. Ultimate source of energy- “Sun”.
4. Renewable Energy.
5. Energy from Bio Mass.
6. Any other sub-theme oriented.

GROUP C: GRADE – V & VI

SUB THEME: Life Science in Human welfare

1. Technology and Disaster Mitigation.
2. Microbes in Human Welfare.
3. Progress and Evolution.
4. Life Science and Health care.
5. Any other sub-theme oriented

GROUP D: GRADE – VII & VIII

SUB THEME: Alternative Energy Sources.

1. Electricity from waste.
2. Atomic Solar trackers.
3. Photovoltaic.
4. Oxygen generator.
5. Energy from Sound Waves.
6. Any other sub-theme oriented.

GROUP E: GRADE – IX & X

SUB THEME: Modern Science

1. Optics Applications.
2. Magnetic wave's application.
3. Transmitting signals as pulse of light.
4. Bioluminescence.
5. Any other sub-theme oriented.

GROUP F: GRADE – XI& XII

SUB THEME: Futuristic Science

1. Astronomical Telescope.
2. Future of Nano – Technology.
3. Control and Automation Machine Vision.
4. Genetics and Human Genomic.
5. Any other sub-theme oriented

Criteria for Evaluation:

- ✓ Scientific principle
- ✓ Presentation
- ✓ Relevance to theme / topic
- ✓ Utility Value
- ✓ Innovativeness
- ✓ Ecofriendly

COMPETITION 2: ELOCUTION

SPECIFIC INSTRUCTIONS:

- Two individual students can participate and select one topic each.
- Each participant will get 3 minutes to express his/her views.
- A panel of experts will assess through presentation.
- Evaluation Criteria -
A panel of experts will assess the Elocution as per following criteria:
 - ✓ Introduction : i) Greeting ii) Opening
 - ✓ Content : i) Portraying of subject ii) Message to audience
 - ✓ Pronunciation

✓ Presentation : i) Posture ii) Body Language iii) Clarity and flow iv) Eye contact

✓ Conclusion : i) Summary / punch ii) Meeting the time limits

GROUP A: GRADE – I & II

1. Food Science in Human Nutrition.
2. Pros and cons of being vegetarian.
3. Quality and value of food.
4. Food and Wellbeing.

GROUP B: GRADE – III & IV

1. Ultimate source of energy- “Sun”
2. Technology use and misuse.
3. Science a beautiful Gift to Humanity.
4. Clinical Pollution.

GROUP C: GRADE – V & VI

1. Science has simplified our life.
2. Need to nurture Native Species of Plants and Animals.
3. Organic Farming - A fad or reality.
4. Impact of stimulating substances in human life.

GROUP D : GRADE – VII & VIII

1. Safe Nuclear Energy.
2. Reliable Energy.
3. Use Sustainably to Sustain Life.
4. Radio Active Pollution.

GROUP E : GRADE – IX & X

1. When machine replaces Man.
2. Evolution of Internet.
3. Nuclear technology boon or bane.
4. Cloud Seeding.
5. Impact of Social Media in our Life.

GROUP F : GRADE – XI & XII

1. Future of Space Science and Exploration.
2. Impact of Toxic Waste on Community.
3. Future of Nanotechnology.
4. Genetic Engineering.
5. Astrobiology.

COMPETITION 3 :CONTINUUM

SPECIFIC INSTRUCTONS :

- Open to Group C; Group D; Group E and Group F.
- Each Team can select any one topic from the ones suggested.
- Each Team will be allotted 4 minutes to present their work.
- Each Team is required to submit their VIDEO showcasing the creative skills.
- A panel of experts will assess the videos.
- Evaluation Criteria -
 - ✓ Selection of topic
 - ✓ Logic
 - ✓ editing skills
 - ✓ Presentation

GROUP C: GRADE – V & VI

1. Interactive story on sustainability
2. Interactive Greeting Card.

GROUP D: GRADE – VII & VIII

1. Greenhouse effect
2. Smart city concept

GROUP E: GRADE – IX & X

1. Renewable energy resources
2. Chandarayaan

GROUP F: GRADE – XI & XII

1. Solar ponds
2. Water conservation

COMPETITION IV- SHUTTERBUG

This competition is only for Teachers and Parents.

Click a photograph on any of the topics mentioned above and mail it to us.

COMPETITION V-Fancy Dress Competition

(Theme: SciFi Star)

“LOOK FAB, IN THE LAB”

Group (Pre-primary students Tiny Tots)

Topics:

- 1) Man-made fiber and Natural fiber
- 2) Healthy and Junk food
- 3) Save water
- 4) Food from plants
- 5) Solar system

General rules:

- 1) Fancy Dress Competition is an exciting experience for children. Children come dressed in their colourful costumes for each theme and speak a few sentences on the character they depict.
- 2) It is an individual performance. Child should carry their own material for Fancy dress competition.
- 3) The introduction and explanation of the exhibit should be only in English.
- 4) Duration of event-3min.
- 5) The decision of the judges will be final and binding on all participants.

- **Evaluation Criteria-**

A panel of experts will assess as per the given criteria.

- Introduction
- Delivery of content
- Creativity in costume
- Presentation- body language clarity and flow