

LTIS/Primary, Middle, Secondary & Senior Secondary School/Cr. no/01

*" Science knows no country, because knowledge belongs to humanity,  
and is the torch which illuminates the world."*

Dear Parents

Kindly note, we at LTIS to develop Scientific Temperament and to know our Culture, Regions etc are organizing **"Nakshatra"** Science cum Social Science Exhibition on **20<sup>th</sup> April 2024**. Our main theme of the exhibition is about Sustainable Development Goal i.e. **"Life under Water"** Kindly go through the topics given for both the subjects and prepare yourself to exhibit your projects. You can participate either in Science or Social Studies and not both. Please give your names to your class teacher along with your project name on **1<sup>st</sup> April 2024**. Models should be submitted by **15<sup>th</sup> April 2024**. Rest all details regarding the timing will be intimated later on.

Projects can be done by students in **groups or individual**. Each group can have minimum 3 and maximum 5 students. You can display either a still or working model.

PPT can also be made with 5 slides and not more than that. PPT is optional. Looking forward for maximum participation to ignite the thought of Scientific temperament as well Social Culture.

### SCIENCE EXHIBITION TOPICS

<b>Class - III to V</b>	<ol style="list-style-type: none"> <li>1. Layers of Ocean</li> <li>2. Aquaponics</li> <li>3. Simple machines</li> <li>4. Electric Circuits</li> <li>5. Mangrove system: Nature's coastal shield</li> <li>6. Smoke absorber</li> </ol>
<b>Class - VI to VIII</b>	<ol style="list-style-type: none"> <li>1. Working model of water rocket</li> <li>2. Working model of vibrating robot</li> <li>3. Impact of pollution on marine food web</li> <li>4. Bamboo drip irrigation</li> <li>5. Astronomical telescope</li> <li>6. Arduino project hub</li> </ol>

<b>Class - IX to XII</b>	<ol style="list-style-type: none"> <li>1. Working model of Automatic water fountain without electricity</li> <li>2. Working model of wind turbine to generate electricity.</li> <li>3. Working model of Van De Graff Generator</li> <li>4. Working model of hydraulic excavator</li> <li>5. Working model of Capacitor with aluminium foil and paper cup</li> <li>6. Green house managing robot</li> <li>7. Dialysis machine</li> <li>8. Working model of Sphygmomanometer</li> </ol>
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## SOCIAL STUDIES EXHIBITION TOPICS

<b>Class VI</b>	<ol style="list-style-type: none"> <li>1. Board game- Countries and it's Capitals</li> <li>2. Pictorial representation of "Evolution of communication"</li> <li>3. Model Making: Representation of Layers of Atmosphere</li> <li>4. Representation of Heritage sites in : <ul style="list-style-type: none"> <li>* Maharashtra</li> <li>* Rajasthan</li> <li>* Sikkim</li> <li>* Uttar Pradesh</li> </ul> </li> <li>5. Forest based products and its uses in our daily lives.</li> </ol>
<b>Class VII</b>	<ol style="list-style-type: none"> <li>1. Model Making: Parliament of India</li> <li>2. Model Making/ Pictorial representation of 'Water Cycle'</li> <li>3. Chart representation of 'Causes of Global Warming '</li> <li>4. The iconic Handicrafts of India: <ul style="list-style-type: none"> <li>* Blue Pottery from Rajasthan</li> <li>* Kathakali mask from Kerala</li> <li>* Dhokra from Chhattisgarh</li> </ul> </li> </ol>
<b>Class VIII</b>	<ol style="list-style-type: none"> <li>1. Pictorial representation of 'Sustainable Development and its goals: <ul style="list-style-type: none"> <li>* No poverty</li> <li>* Good health and well-being</li> <li>* Gender equality</li> </ul> </li> </ol>

	<ul style="list-style-type: none"> <li>* Clean water and sanitation</li> </ul> <p>2. Role play: Three sectors of economy-Primary , Secondary,Tertiary</p> <p>3. The 'Tree of untold heroes of India's (Indian leaders and their achievements)</p> <p>4. Indus Valley Civilisation (Model Making)</p>
<b>Class IX</b>	<p>1. The iconic Handicrafts of India:</p> <ul style="list-style-type: none"> <li>* Wood carving from Himachal Pradesh</li> <li>* Terracotta from West Bengal</li> <li>* Pashmina from Jammu Kashmir</li> <li>* Black clay pottery from Manipur</li> <li>* Azulejos from Goa</li> </ul> <p>2. Representation of the traditional dance form (Indian states)</p> <p>3. Model Making: The Drainage system of India</p>

For LTIS



Principal

Ms Ritu Kapur