

ARMY PUBLIC SCHOOL KANPUR
LIST OF REQUIREMENTS FOR ASTRONOMY LAB

Sr.No	Particular	Specifications
1	Floating ball USE : To understand the concept of Electromagnetism.	Material : Acrylic, Plastic, Electronics components, PS 230 VAC
2	TELESCOPE	Aperture: 200mm, Focal length: 1000mm - f/5, Precision mirror with diffraction limited resolution. High reflectivity coating, Mounting system Dobsonian style mount with pearlescent white finish, Mirror cell Stability treated die-cast aluminium providing improved and stable alignment, Focuser 2" metal focuser with 2" - 1.25" adaptor and Helical Rack & pinion movement, Eyepieces 25mm and 10mm, Barlow 1.8x achromatic Barlow, Mirror cell stability treated die-cast aluminium provide better and stable alignment.
3	Motorized Solar System	Material : Metal, Plastic, Electric Motor USE : Astronomy Education Type : Model Size & Material: Dimensions (L x W x H): 30 cm x 21 cm x 25 cm, ABS plastic, fibre, wood. A conceptual chart in english language of A3 size provided in 6 colour print on minimum 3mm PVC base having a QR code that linked to an application for seeing conceptual video.
4	ISRO Space Science Model Set	launching Pad, GSLV MK II, Aryabhath Paper DIY, Mangalyaan Paper DIY, Space Shuttle Paper DIY Size : 10 x 12 x 30 (Inch)
5	Newtons 3rd Law Model	Material : This Model consist of Pipe Model of Newtons Third Law which Clearly indicates that Action and Reaction are equal and opposite . IT has also a Bottle Rocket and a Pump. . A conceptual chart in english language of A3 size provided in 6 colour print on minimum 3mm PVC base having a QR code that linked to an application for seeing conceptual video.
6	WEIGHT ON OTHER PLANET	48" X 36"

Griffis

7	ISRO Mars Mission - LED Moving Display Model	<p style="text-align: center;">Size - 36x48 inches</p> <p>To understand how ISRO rocket PSLV MK III travel and reached to MARS. How Mangalyaan rotate around the Mars. Internal construction of PSLV rocket with LED glowing. Step by step information of Mars Mission</p>
8	Rashi Chakra - Astronomical LED Display	<p style="text-align: center;">36x 48 cms inches.</p> <p>Understanding of all constalation backround the sun. How travel sun around year and Rashi Chakra work according. All Constallation glow by LED.</p>
9	<p style="text-align: center;"><u>Astronomy Space Science Kit</u></p> <p>1. Telescope</p> <p>2. Microscope</p> <p>3.ISRO Gaganyaan Astronaut's suit</p> <p>4. Telescope making Kit</p> <p>5. ISRO GSLV Rocket Model Making Kit</p> <p>6.ISRO's Mangalyaan Model Making Kit.</p> <p>7.Sun Dial Model Kit</p> <p>8.Galileo Crossword Puzzle</p> <p>9. Tracing Star Game</p> <p>10. DIY Hanging Solar System Kit</p> <p>11. Planispere</p> <p>12. DIY ISRO's Aryabhata Satellite Model Making Kit</p> <p>14. DIY Indian Remote Sensing Satellite Kit</p> <p>15. COSMOS Book</p> <p>16. ISRO Cap</p> <p>17. ISRO 3D Postcard</p> <p>18. Solar Viewer</p>	
10	Astronomy Science Project Kit	<p>This kit contain a base with a printed template of the sundial and a fixed gnome.</p>

DPMS

11	Telescope Making Kit (To understand How Telescope Work)	Diameter- 43mm Focal Length - 280mm Eye Piece - 12.5mm Rack N Pinel - Yes	
12	Longitude- Latitude - Time Zone Earth Globe	Diameter -32 cms	
13	Hanging Solar System Kit CHARTS - CONTRIBUTORS OF SCIENCE Johannes Kepler Sushrut Aryabhata Varahmihira Brahmagupta Nagarjuna Bhaskaracharya Raja Sawai Jai Singh Srinivasaramanujan Jagdish Chandra Bose	Hard paper board, long & small pipes Instruction manual Specifications(QTY-1) 18" x 24" - 6 colour print on minimum 3mm PVC base - and English 18" x 24" - 6 colour print on minimum 3mm PVC base - and English 18" x 24" - 6 colour print on minimum 3mm PVC base - and English 18" x 24" - 6 colour print on minimum 3mm PVC base - and English 18" x 24" - 6 colour print on minimum 3mm PVC base - and English 18" x 24" - 6 colour print on minimum 3mm PVC base - and English 18" x 24" - 6 colour print on minimum 3mm PVC base - and English 18" x 24" - 6 colour print on minimum 3mm PVC base - and English 18" x 24" - 6 colour print on minimum 3mm PVC base - and English	

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Prafulla Chandra Roy	18" x 24" – 6 colour print on minimum 3mm PVC base – and English
Homi Jahangir Bhabha	18" x 24" – 6 colour print on minimum 3mm PVC base – and English
Vikram Sarabhai	18" x 24" – 6 colour print on minimum 3mm PVC base – and English
Alrt Einstein	18" x 24" – 6 colour print on minimum 3mm PVC base – and English
Sir C V Raman	18" x 24" – 6 colour print on minimum 3mm PVC base – and English
CHARTS – SPACE & UNIVERSE	
Asteroids	18" x 24" – 6 colour print on minimum 3mm PVC base – English
Charged solar particles	18" x 24" – 6 colour print on minimum 3mm PVC base – English
Chandrayaan 1	18" x 24" – 6 colour print on minimum 3mm PVC base – English
Comets	18" x 24" – 6 colour print on minimum 3mm PVC base – English
Constellations of Southern hemisphere	18" x 24" – 6 colour print on minimum 3mm PVC base – English
Constellations of Northern hemisphere	18" x 24" – 6 colour print on minimum 3mm PVC base – English
Milky way galaxy	18" x 24" – 6 colour print on minimum 3mm PVC base – English
Galaxies	18" x 24" – 6 colour print on minimum 3mm PVC base – English
Craters	18" x 24" – 6 colour print on minimum 3mm PVC base – English
Lunar missions	18" x 24" – 6 colour print on minimum 3mm PVC base – English
Moon	18" x 24" – 6 colour print on minimum 3mm PVC base – English

	Nebula	18" x 24" – 6 colour print on minimum 3mm PVC base – English
	The Big Bang Theory	18" x 24" – 6 colour print on minimum 3mm PVC base – English
	TRAPPIST 1 and possibility of life A	18" x 24" – 6 colour print on minimum 3mm PVC base – English
	TRAPPIST 1 and possibility of life B	18" x 24" – 6 colour print on minimum 3mm PVC base – English
	OTHER REQUIREMENTS	
1	LED SMART TV	56"
2	COMPUTER (PC)	As per specification
3	STORAGE CUPBOARDS	76" x 36" x 19" – 5 partition, steel Almirah –
4	COMMON TOOLS BOX	Screw drivers, Scissors, duct tape, glue, spanner, stapler & pins, wire stripper, pliers