



VIKRAM A SARABHAI
COMMUNITY SCIENCE CENTRE

VASCSC

Science Shop

S T E M

Teaching Learning Material

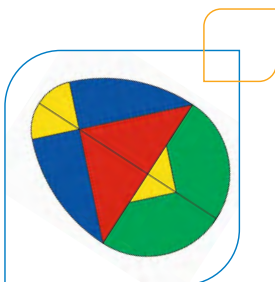
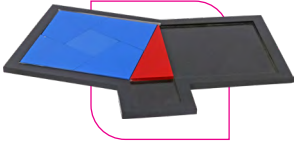


- Teaching Aids
- DIY - Do It Yourself
- Publication & Charts
- Interactive Exhibits
- Equipments & Gadgets

Teaching Aids

Mathematics

SN	Name	Language	Std.	Rate* ₹
1	Maths Lab Package - Preparatory	E/G	1-5	14500
2	Maths Lab Package - Middle	E/G/H	6-8	14500
3	Maths Lab Package - Secondary	E/G/H	9+	12000
4	Abacus - 5 Digits	E/G	1+	550
5	Cuisenaire Strips	E/G/H	1+	315
6	Diene's Block	E/G	1+	1650
7	Geometrical Solids (9 Shapes)	E/G/H	1+	500
8	Number Line - Table Top	E/G	1+	315
9	Place Value Cards (4 Digits, 30 Activities)	E/G	1+	400
10	Tangram Puzzle	E/G	2+	175
11	The Cardio Tangram Puzzle	E/G	2+	150
12	The Egg Puzzle	E/G	2+	150
13	Two Congruent Right Triangles	E/G/H	2+	240
14	Bring the Cat Out Puzzle	E/G/H	3+	180
15	Fraction Strips Model	E/G/H	3+	420
16	Make a Cube Puzzle	E/G/H	3+	270
17	Napier's Strips	E/G	3+	60
18	Parking Puzzle	E/G/H	3+	170
19	Pentominoes Puzzle	E	3+	190
20	1 to 6 Number Puzzle	E/G/H	4+	200
21	1 to 8 Number Puzzle	E/G/H	4+	250
22	3 Circles, 6 Number Puzzle	E/G	4+	180
23	4 x 4 Colour Square Puzzle	E/G/H	4+	160
24	5 x 5 Colour Square Puzzle	E/G/H	4+	220
25	Fifteen Blocks Puzzle	E/G/H	4+	290
26	Crazy Cubes Puzzle	E/G	5+	250
27	Number Shift	E/G	5+	160
28	Pegboard Puzzle	E/G/H	5+	200
29	Soma Cube Puzzle	E	5+	270
30	Square and Rectangular Puzzle	E/G/H	5+	170
31	Tower of Brahma Puzzle	E/G/H	5+	200
32	Algebra Tiles	E/H	6+	315
33	Property of Angles of a Triangle	E/G/H	6+	315
34	Sum of Exterior Angles of Polygons	E/G/H	6+	315
35	$(a+b)^2 - (a-b)^2 = 4ab$ Model	E/G/H	7+	315
36	$(a+b)^2 + (a-b)^2 = 2a^2 + 2b^2$ Model	E/G/H	7+	315
37	$(a+b+c)^2$ Model	E/G/H	7+	390
38	$(a^2 - b^2) = (a+b)(a-b)$ Model	E/G/H	7+	300
39	Bhaskaryacharya Pythagoras Model	E/H	7+	260
40	Pythagoras Theorem (Model - 1)	E/G/H	7+	400
41	Pythagoras Theorem (Model - 2)	E/G/H	7+	270
42	$(a+b)^3$ Model	E/G/H	8+	350

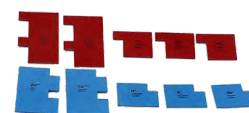


Teaching Aids

43	Area of Trapezium - 2	E/G	8+	180
44	3D Octant Model	E	9+	650
45	Hexagonal Section of a Cube	E/G/H	9+	500
46	Probabilty Model	E	9+	1200
47	Trigonometry Ratio Model	E	9+	650
48	$\sum n^2 = n(n+1)(2n+1)/6$ Model	E/G/H	10+	440

Physics

SN	Name	Language	Std.	Rate* ₹
49	Learn with Magnets	E/G/H	5-7	930
50	<i>Bal, Gati ane Yantra</i>	G	6+	400
51	Coupled Pendulum	E/G/H/T	6+	960
52	Electricity and Circuits	E/G	6+	330
53	Learning Ardiuno - For Beginners	E	6+	1200
54	Lever Model	E/G/H	6+	600
55	Play with Light	E/G/T	6+	960
56	Pulley Model	E/G/H	6+	1150
57	Reflection of Light	E/G/H/T	7+	700
58	IoT Starter Kit	E	7+	4200
59	PCB - Designing and Making	E	7+	750
60	Robotics Starter Kit	E	7+	3300
61	Double Cone	E/G/H/T	8+	300
62	Law of Inertia	E	8+	315
63	Newton's Cradle	E/G/H/T	8+	600
64	Soldering Tool Kit	E/G	8+	870
65	Water Booster Model Rocketry Kit	E	8-12	3500



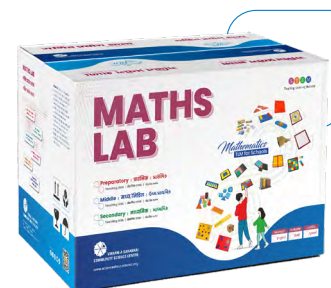
Chemistry

66	Chem for Kids	E	2-4	825
67	Fun With Chemistry	E	5-7	825
68	Separation of Substances	E/G/H	5-7	260
69	Acid Base Experiments	E/G/T	6-10	560
70	Chemical Elements on the Cards (Set of 118 Cards)	E	8+	280
71	Electrolysis of Water	E/G/H/T	9+	825
72	Structure of Atom	E/G/H	9+	780



Biology

73	BioConnect - Learning Cards	E/G	5+	315
74	Exploring Microscopic World	E	8+	1100
75	Microscopic Structures (Set of 52 charts)	E	8+	600
76	<i>Sukshma Darshi Saranchano (Set of 52 charts)</i>	G	8+	600



- Ideal for learning by demonstration
- Motivates active participation
- Made of sturdy material and easy to carry
- Develops interest in the learners
- Makes learning more fun filled

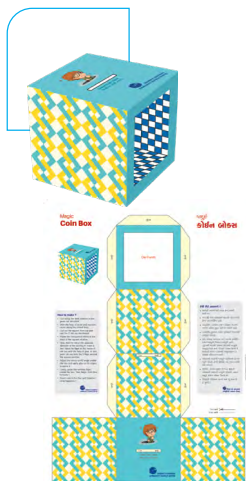
DIY Do It Yourself

Mathematics

SN	Name	Language	Std.	Rate* ₹
77	Number Properties (50 Nos.)	E/G	1+	690
78	Two Congruent Right Angle Triangle (50 Sets)	E/G/H	2+	1000
79	3D Shapes (Any 1 Net, 50 Nos.)	E/G	5+	600
80	3D Shapes (Set of 3D Nets, 21 Shapes)	E/G/T	5+	280
81	Make Fraction Strips (50 Nos.)	E/G	3+	600
82	Lines of Symmetry (25 Sets)	E	5+	600
83	Make a Big Tetrahedron (50 Nos.)	E/G	5+	600
84	Mathematical Envelope - Cardioid (50 Nos.)	E/G/H	5+	410
85	Mathematical Envelope - Nephroid (50 Nos.)	E/G/H	5+	410
86	Mathematical Envelope - Parabola (50 Nos.)	E/G/H	5+	410
87	Make Angle Sum Property Model (50 Nos.)	E/G/H	6+	600
88	Area Formulas - Circle & Parallelogram (50 Nos.)	E/G/H	7+	600
89	Area Formulas - Rhombus and Trapezium (50 Nos.)	E/G/H	7+	600
90	Area Formulas - Triangle 1 & 2 (50 Nos.)	E/G/H	7+	600
91	Make $(a+b)(c+d)$ Model (50 Nos.)	E/G/H	7+	600
92	Make $(a+b)^2 - (a-b)^2$ Model (50 Nos.)	E/G	7+	600
93	Make $(a+b)^2 + (a-b)^2$ Model (50 Nos.)	E/G/H	7+	600
94	Make $(a+b+c)^2$ Model (50 Nos.)	E/G/H	7+	600
95	Make $(a^2 - b^2)$ Model (50 Nos.)	E/G	7+	600
96	Make Pythagoras Theorem Model (50 Nos.)	E/G/H	7+	600
97	Understanding Pi (25 Sets)	E/G	7+	900
98	Make $(a^3 + b^3)$ Model (50 Nos.)	E/G/H	8+	600
99	Make Volume of Cone & Cylinder Model (50 Nos.)	E/G/H	9+	600
100	DIY Mathematical Models (16 Nets, 20 Models)	E	5+	200

Physics

101	Make a Magic Bus Model (10 Sets)	E	1-3	1100
102	Make a Magic Colour Filter (50 Nos.)	E	1-3	840
103	Make a 3D Glasses (50 Nos.)	E/G	5+	750
104	Make a Balancing Bird Model (50 Sets)	E	5+	600
105	Make a Magic Coin Box (25 Sets)	E/G/H	5+	840
106	Make a Moon Phases Flipbook (50 Nos.)	E/H	5+	500
107	Make a Moon Phases Model (50 Nos.)	E/G/H	5+	600
108	Make a Kaleidoscope (25 Sets)	E/G/H	5-8	1100
109	Make a Lens Camera (25 Sets)	E/G	5-8	1100
110	Make a Periscope (50 Sets)	E/G/H	5-8	1200
111	Make a Pinhole Camera (50 Sets)	E/G/H	5-8	1200
112	Make a Arrow Wing Glider (50 Nos.)	E/G/H	6+	350
113	Make a Box Telescope (10 Sets)	E/G	6+	1200
114	Make a Chuck Glider (1 No.)	E	6+	315
115	Make a Circumpolar Constellation Dial (50 Nos.)	E/G/H	6+	400
116	Make a Horizontal Sundial Model (50 Nos.)	E/G/H	6+	400
117	Make a Straight Wing Glider (50 Nos.)	E/G/H	6+	350
118	Make a Chandrayan Model (50 Nos.)	E/G	7+	600
119	Make a Communication Satellite Model (50 Sets)	E/G	7+	750
120	Make a Model Rocket (50 Nos.)	E/G/H	7+	600



Chemistry

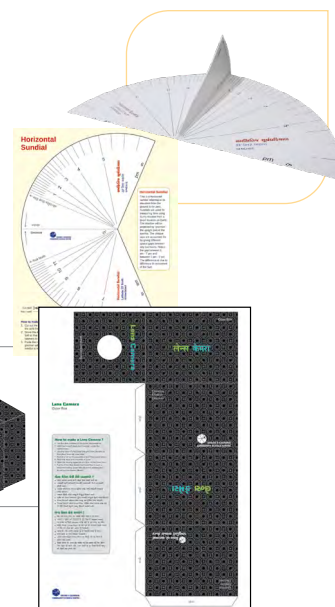
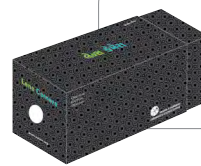
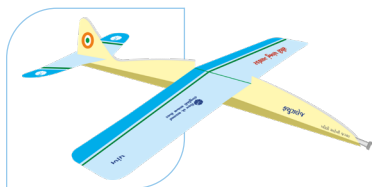
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121	Acid Base Detection (20 Sets)	E/G	6-10	840
122	Buckyball : The Magical Molecule (50 Nos.)	E	6+	410

Biology

123	Human Body Organs (50 Nos.)	E/G/H	1-3	600
124	Life Cycle of a Butterfly (50 Nos.)	E/G	1-5	410
125	Make a Balancing Bird Model (50 Nos.)	E	1-5	600
126	Water Cycle (50 Nos.)	E/G/H	1-5	410
127	Seed Identification (50 Nos.)	E/G	4+	600
128	Make a Food Pyramid (50 Nos.)	E/G/H	5-7	600
129	Phototropism (50 Nos.)	E/G/H	5+	600
130	Camouflage Adaptations (50 Nos.)	E	6-7	410
131	Human Blood Circulatory System (25 Nos.)	E/G	6-7	600
132	Types of Adaptations (50 Nos.)	E	6-7	410
133	Make a Bacteriophage Model (50 Nos.)	E/G	6-8	650
134	Make a Human Eye Model (50 Nos.)	E/G	6-8	650
135	Make a Human Skeleton Model (50 Nos.)	E/G/H	6-8	840
136	Make a Leaf Cube Model (50 Nos.)	E/G/H	6-8	600
137	Make an Ecological Pyramid (50 Nos.)	E/G/H	6-8	600
138	Animal BioDiversity (50 Nos.)	E	6+	410
139	Plant BioDiversity (50 Nos.)	E	6+	410
140	<i>Sukshma Darshi Saranchano Shikho (50 Nos.)</i>	G	8+	600

General Science

141	DIY Stem Learning Pack - Jr	E/G/H	1-3	250
142	DIY Stem Learning Pack - 1	E/G/H	3-5	220
143	DIY Stem Learning Pack - 2	E/G/H	6+	260
144	Make a 3D Hologram (20 Sets)	E	7+	850
145	Nature Inspired Designs (Pack of 24 cards, 50 Sets)	E	7+	600

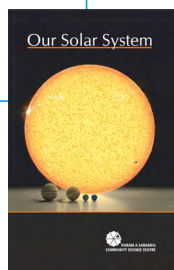
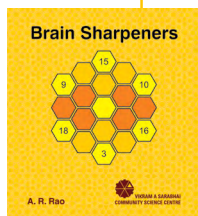
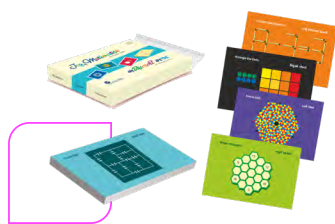


DIY
Do It Yourself

- Ideal for activity base learning
- Each student can make their own model and understand the concept

- Makes learning Engaging and Interactive
- Wide range of Low Cost Nets for Models with all required accessories

Publications & Charts



Mathematics

SN	Name	Language	Std.	Rate* ₹
146	Joy of Mathematics Puzzle Cards (Set of 30 cards)	E/G	5+	60
147	Brain Sharpeners	E	6+	120
148	<i>Buddhi Kaso</i>	G	6+	120
149	Brain Sharpeners in Hindi	H	6+	120
150	Mathematical Models and Teaching Aids	E	Educators	150
151	<i>Ganitik Model ane Shaikshanik Sadhano</i>	G	Educators	150
152	Ganitiya Model Tatha Shaikshanik Sadhan	H	Educators	150
153	Great Mathematicians of the World (Set of 26 charts)	E	5-12	400
154	<i>Vishvana Mahan Ganitshastriyo (Set of 26 charts)</i>	G	5-12	400
155	Maths Charts (Set of 12 Charts, 18" x 25")	E	5-12	375
156	<i>Ganit Pradarshan (Set of 12 Charts, 18" x 25")</i>	G	5-12	375

Physics

157	Our Solar System	E	5-7	70
158	<i>Aapnu Suryamandal</i>	G	5-7	60
159	Simple Machines	E	5-7	35
160	<i>Saada Yantro</i>	G	5-7	35
161	<i>Urja - Ek Parichay</i>	G	5-7	40
162	Why the Sky is Blue?	E	7+	20
163	<i>Akash Bhuru Sha Maate?</i>	G	7+	20
164	Single Stage Model Rocketry Handbook	E	8+	40
165	Water Booster Model Rocketry Handbook	E	8+	40
166	Ultrasonic and IR Sensor	E	8+	70
167	Astronomy Charts (Set of 12 Charts, 25" x 18")	E	5-12	375
168	Messier Objects (Set of 16 Charts, 16.5" x 11.5")	E	5-12	250
169	Physics Charts (Set of 12 Charts, 18" x 25")	E	5-12	375
170	<i>Bhautikvignan Pradarshan (Set of 12 Charts, 18" x 25")</i>	G	5-12	375

Chemistry

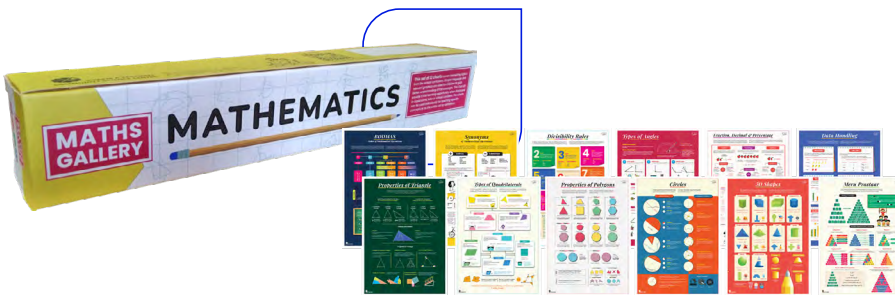
171	Joy of Chemistry	E	6-8	90
172	<i>Rasayanvignan Ni Maja</i>	G	6-8	90
173	<i>Rasayanik Tatvo</i>	G	8+	180
174	Periodic Table Chart (23" x 36")	E	8+	30
175	<i>Avart Kostak (18" x 25")</i>	G	8+	15
176	Chemistry Charts (Set of 12 Charts, 18" x 25")	E	5-12	375
177	<i>Rasayanvignan Pradarshan (Set of 12 Charts, 18" x 25")</i>	G	5-12	375

Biology

SN	Name	Language	Std.	Rate* ₹
178	<i>Paryavaran Ane Maaru Jeevan</i>	G	3+	40
179	Biology Charts (Set of 12 Charts, 18" x 25")	E	5-12	375
180	<i>Jeevignan Pradarshan (Set of 12 Charts, 18" x 25")</i>	G	5-12	375

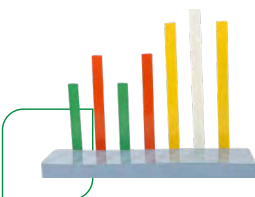
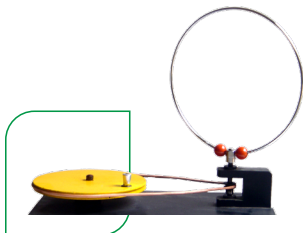
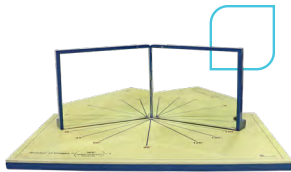
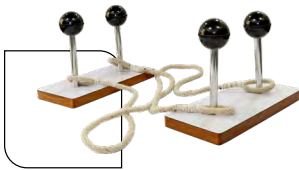
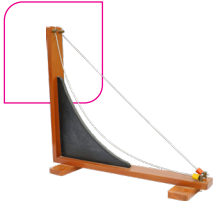
General Science

181	Birds Around Us	E	All	250
182	Joy of Learning Teachers Manual - 1	E	3-5	95
183	<i>Gammat Saathe Vignan</i>	G	3+	90
184	Optical Illusions	E	5+	90
185	<i>Drashtibhram</i>	G	5+	90
186	<i>Kaansa No Rankar</i>	G	5+	30
187	Streams of Knowledge	E	5+	70
188	Fundamentals of 3D Printing and Designing	E	8+	50
189	<i>Shikhvano Anand Teachers Manual - 3</i>	G	9+	120
190	Dr. Vikram Sarabhai - A Life in Nation Building	E	All	100
191	<i>Dr. Vikram Sarabhai - Rashtra na Ghadtar Ne Samarpit Jivan</i>	G	All	100
192	Joy of Science Notebook (72 Pages)	-	-	35
193	School Label Sheet (48 Labels)	E	All	30
194	<i>Vignan Drashti - Old Issues (Set of 6)</i>	G	5+	100
195	Great Scientist of the World (Set of 40 Charts)	E	5-12	600



- Ideal for exhibition, display and library
- Informative reference material
- Illustrative and Colourful

Interactive Exhibits



Mathematics

SN	Name	Language	Std.	Rate* ₹
196	Number Line (Large Flex, 25' x 3')	E-G/E-H	1+	2700
197	Lines of Symmetry Exhibit	E	5+	750
198	Topology Puzzle	E/G/H/T	5+	1000
199	Brachistochrone	E/G/H/T	8+	3200
200	Height Measurement Chart - Roll (2' x 6' 6")	E-G/E-H	All	1200

Physics

201	Angle Between Mirrors	E/G/H/T	5-7	1000
202	Buzz Wire Model	E/G/H	5-7	800
203	Magic Coin Box	E/G/H	5-7	4000
204	Phenakistoscope	E/G/H	5-7	2000
205	Double Periscope	E/G/H/T	5-8	4600
206	Giant Periscope	E/G/H	5-8	7500
207	Giant Periscope (With Display Stand)	E/G/H	5-8	12500
208	Lens Camera	E/G/H	5-8	5600
209	Basic Electronics - Plug & Play	E	6+	1600
210	Hand Battery	E/G/H	6+	1000
211	Centripetal Force	E/G/H/T	7+	4000
212	Giant Yo-Yo	E/G/H/T	7+	1000
213	Double Cone (Large, Metal frame)	E/G/H/T	8+	4800
214	Focault's Pendulum	E/G/H/T	8+	1000
215	Gravity Tower	E/G/H/T	8+	1000
216	Newton's Cradle (Large)	E/G/H/T	8+	3500
217	Resonance Strips	E/G/H	8+	700
218	Archimedes Screw Model	E/G/H/T	9+	1000
219	Astronaut Photo Booth	-	All	5000
220	Day and Night Model	E	5+	Inquire
221	Solar System - Motorized	E	5+	
222	Laser Ray Optics Kit	E	6+	
223	Learn Electricity - Plug and Play	E	6+	
224	Learn Series and Parallel Connection	E/G/H/T	6+	
225	Ray Optics Kit	E	6+	
226	Ring and Ball - Mental Expansion	E/G	6+	
227	Simple Pendulum		7+	
228	Standard Time Indicator	E/G/H	7+	
229	Conservation of Momentum	-	8+	
230	Energy Conversion Kit	E/G/H/T	9+	
231	Wave Model - Hand Rotation	E/G/H	9+	
232	Windmill Model	E/G	9+	
233	Tunning Fork (Set of 8)		11+	

Chemistry

234	Electron Energy Level	E	9+	5000
235	Rock and Mineral	-	5+	
236	Atomic Model Set	E	9+	Inquire
237	Atomic Model Set - Small	E	9+	

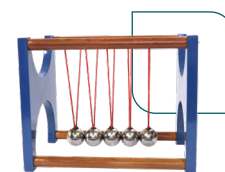
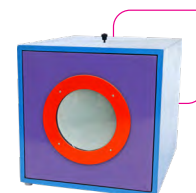
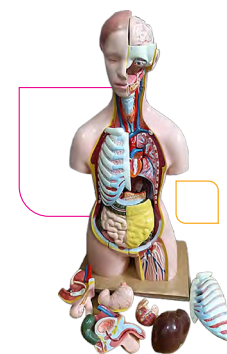
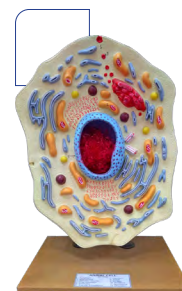
Biology

238	Human Blood Circulatory System (Flex, 10' x 12')	E/G/H	6+	3300
239	Animal Cell Model	E/G/H/T	6+	
240	Human Digestive Model	E	6+	
241	Human Ear Model	E/G/T	6+	
242	Human Eye Model	E/G/H/T	6+	
243	Human Heart and Lung Model	E/G/H/T	6+	
244	Human Jaw Model	E/G/H/T	6+	
245	Human Nerve Cell Model	E/G/H/T	6+	
246	Human Skull Model	-	6+	
247	Human Torso - Approx. 3 ft	E/G/H/T	6+	Inquire
248	Human Urinary Model	E/G/H/T	6+	
249	LS Ovary Model	E/G/T	6+	
250	Plant Cell Model	E/G/H/T	6+	
251	Skeleton Model with Hook - Approx. 5 ft	E/G/H/T	6+	
252	Human Joint Model - Hip / Shoulder / Knee / Elbow	E	7+	
253	Human Joint Model with ligament - Foot / Hand	E	7+	
254	Specimens	E/G/H	6+	
255	Educational Roll - Human Physiology (40" x 30")	E-G	5-12	

Exhibition Panels

256	1.5' x 1.5/2' Exhibition Panel (1 No.)	E/G	5-12	300
257	2' x 2' Exhibition Panel (1 No.)	E/G	5-12	400
258	2' x 3' Exhibition Panel (1 No.)	E/G	5-12	600
259	6' x 4' Exhibition Panel with Metal Frame	E/G	5-12	6000
260	8' x 4' Exhibition Panel with Metal Frame	E/G	5-12	7500
261	Astronomy Exhibition Panels (Set of 12, 3' x 2')	E/G	5-12	6400
262	Biology Exhibition Panels (Set of 12, 2' x 3')	E/G	5-12	6400
263	Chemistry Exhibition Panels (Set of 12, 2' x 3')	E/G	5-12	6400
264	Great Mathematician Exhibition Panels (Set of 26, 16" x 24")	E/G	5-12	7000
265	Great Scientist Exhibition Panels (Set of 40, 16" x 24")	E	5-12	10800
266	Height Measurement Chart - Panel (2' x 6' 3")	E-G/E-H	All	2700
267	Maths Exhibition Panels (Set of 12, 2' x 3')	E/G	5-12	6400
268	Physics Exhibition Panels (Set of 12, 2' x 3')	E/G	5-12	6400
269	Periodic Table - Panel (5' x 3.5')	E-G/E-H	8+	3000

Interactive Exhibits

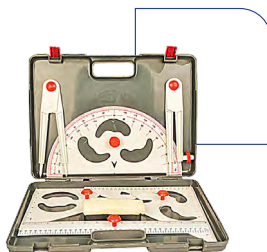
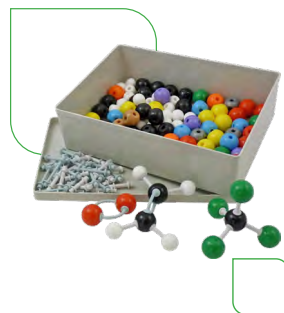


- Ideal for activity centre setup
- Can be placed at Corridor or any open space

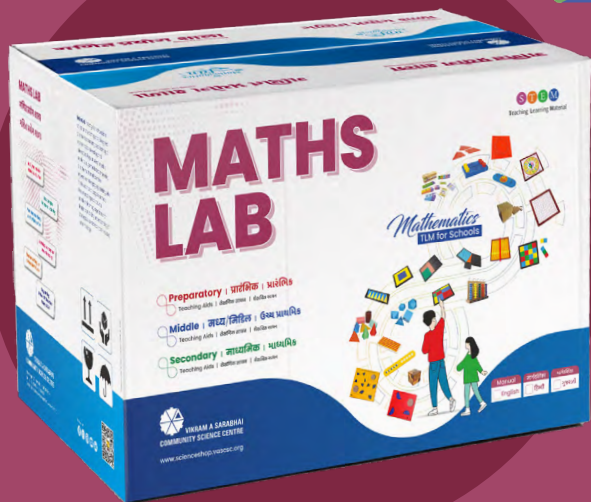
- Relatively Large Size Models
- Learning is not just confined to class room

General Science

SN	Name	Language	Std.	Rate* ₹
270	My Science Lab	E/G/H/T	6+	2800
271	Display Stand for Write-ups of Exhibits (Acrylic)	-	-	250
272	Compound Microscope (10x & 45x)	-	8+	Inquire
273	Compound Microscope with Mechanical Stage (10x & 45x)	-	8+	
274	Medical Microscope (10x, 45x & 100x)	-	8+	
275	Permanent Slides (25 Slides)	-	8+	
276	Analog Weigh Scale	-	All	
277	Monoculars & Binoculars	-	All	
278	Telescopes	-	All	
279	Solar Filters for Telescope and Binoculars	-	All	
280	Drones - With and Without Camera	-	All	
281	Geometric Tool Box - Wooden / Plastic	-	All	
282	Political Globe - 12cm / 20 cm / 30 cm / 40 cm	-	All	
283	Celestial Sphere	E/G/H/T	All	
284	Longitude & Latitude Globe	E/G	All	
285	Political & Physical World and India Maps (30" x 40")	E	All	



Maths Lab



Maths Lab packages for schools contain set of mathematics teaching aids, which have been carefully selected based on the topics covered in the syllabus, from the point of view of making teaching process interesting and engaging. It includes user manual with a detailed description of each of the models and its use.

Maths Lab Packages

Preparatory

40 Teaching Aids
45 Activities

Middle

40 Teaching Aids
43 Activities

Secondary

40 Teaching Aids
41 Activities

User Manuals available in English, Hindi, Gujarati

Maths lab package

- Helps students to have deeper understanding of the concepts
- Helps teachers to move from traditional chalk and talk to more collaborative approach
- Is ideal for setting up Maths Lab in school

My Science Lab

'My Science Lab' is your personal mini science lab. Perform experiments and activities on your own and understand science concepts. Learn about uses of different lab apparatus.

Experiment, Explore, Enjoy!



Lab Apparatus for Basic School Science Experiments

- 52+ Lab Items & User Guide Inside
- Suitable for Individual Use
- Useful for Curriculum-based Experiments
- Learn with Hands-on Experience
- Prepared by Science Educationists



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www.vascsc.org

Please note

- All rates are ex-VASCSC, Ahmedabad.
- Cost of packaging and courier will be extra @ 10% of the total bill amount.
- GST shall be payable extra, as applicable.
- Payment schedule - 100% advance.
- Payment can be made by cash/card, UPI, bank transfer or DD/Cheque in favour of 'Vikram A Sarabhai Community Science Centre', payable at Ahmedabad.
- Specify language requirement wherever necessary.
- Material delivery subject to stock availability.
- VASCSC reserves the right to change specifications and rates without prior notice.
- The images shown are for illustration purposes only.

Timings

Tuesday to Saturday
9:30 am - 5:30 pm

Sunday
9:30 am - 1:00 pm

Mondays closed

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