

Teaching Learning Materials

from

Jodo Gyan

JG EDUCATION FOUNDATION

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About Us

Jodo Gyan is a not-for-profit, non-funded organisation working to improve the quality of education. Since 1999 we have been working in mathematics and science education, to introduce innovative methods through which children will understand and enjoy what they are being taught. Conducting workshops, mainly in-service as well as for trainee teachers, designing, producing, procuring and distributing low-cost teaching and learning materials (TLMs) for promoting activity-based education have all been a part of this endeavour. We work closely with children, teachers, parents and principals and try to develop appropriate methods by connecting experimentation in actual conditions with the insights of current research. We are a social enterprise and believe that through cooperation and consistent working at the ground level we all can move towards finding workable solutions.

On Our Price Policy

We invite you to go through the broad policy guidelines under which our prices are fixed.

1. We try to keep our prices as low as possible with a minimal margin for taking care of the distribution costs. We follow this policy because we feel that it is better to keep the prices reasonable rather than increasing the prices and then giving discounts.
2. Our main effort is to see that these TLMs get actually used in the classes.
3. We try to keep the prices low by trying to improve our efficiency of operation and do not resort under any circumstances to sweated labour and we respect minimum wages. At the same time our prices do not carry the burden of corporate salaries since we have a low differential in salaries.
4. Currently our volumes are small and if they increase further, we would be able to keep our prices low in spite of price rise outside. In fact our price increases have not fully reflected the steep price rise outside.
5. Any surplus which is generated from the sales is used to develop the curriculum further in mathematics and science. The surplus contributes to supporting education including the running of a small school for first-generation learners.
6. We remain a non-profit organization which has neither equity capital nor return on equity. We have also conducted our work in education without taking any project funding or financial help.



MATHEMATICS TEACHING-LEARNING MATERIALS

Price in INR

1	Aakar Parivar – Geometrical seriation kit Six shapes (circle, semicircle, triangle, isosceles triangle, square and rectangle) in Six colours with each in a set of five sizes ranging from 2.5 cm to 12.5 cm. Age: 2 - 7 yrs.	165
2	Picture Dice (with sticker sheet) A starter dice to introduce children to numbers upto 3. Useful for pre-nursery and nursery children to understand numbers meaningfully by connecting with animals they are fascinated by. Age: 3 - 4 yrs.	200
3a	Dice (Domino) Dice (Numeral with Dots) Dice (Numeral) Rubber dice to develop number sense up to 5 and the meaning of zero. Very useful for making the transition from iconic to numeral representation of numbers. Also useful for children at the nursery level to develop cardinality and the first step towards numeral recognition. Can also be used at the higher classes for activities for teaching probability. Age: 2 - 6 yrs.	150
3b		150
3c		150
4	Number Ball – Dodecahedron (12-sided shape) Rubber based dice with numerals up to 10 including 0 to be used for number recognition and number sense development in game activities. Age: 4 - 7 yrs.	170
5	Moti Par Moti - Stack & String Five seriated stacking pegs with appropriate length for one to five beads. Two types of beads in five colours useful for stacking and stringing. Supports the development of hand-eye co-ordination as well as beginning number sense. Age: 2 - 6 yrs.	300
6	Mathmat(5 / 5) Two 5/5 specially designed rubber mats with plugs for pattern making and number facts - suitable for pre-school. Age: 2 – 6 yrs.	175
7	Mathmat (10 / 10) A 10 x10 specially designed rubber mat with plugs for visual display of numbers, addition and multiplication in grid format. Age: 6 – 12 yrs.	230
8	Stringing Beads Stringing Beads (Big beads) To develop hand-eye co-ordination, quantity sense, colour recognition & pattern making. Age: 3 - 9 yrs.	200 180
9	Jodo Cube (100 cubes / 50 cubes) Snap-on cubes which can be connected on all the six sides. Useful for teaching area, perimeter, multiplication, odd numbers, even numbers, square numbers, cube numbers, algebra etc. Age: 2 - 16 yrs.	600/ 325

10	<p>Dolls / Gudiya These dolls are handmade and made with good quality cotton fabric. They can participate in the child's role play or pretend play world.</p> <p>Ammu & Guddu are nice to cuddle. They are also good for class room activities. (length- 48 cms) <i>An extra dress is provided with these two dolls.</i></p> <p>Khushi & Kannu are especially good for role play for 2 -5 year olds. (length- 32 cms)</p> <p>Chutki & Nikku are for six months and above. (length- 20 cms)</p>	
10a	Ammu	785
10b	Guddu	715
10c	Khushi	560
10d	Kannu	500
10e	Chutki	225
10f	Nikku	225
11	<p>Ganit Rack To support developing number sense up to 20. Helps children to automatize addition and subtraction up to 20 and number combinations up to 10.</p>	
11a	Ganit Rack Double Rod	160
11b	Ganit Rack Single Rod	160
	Age: 5 - 7 yrs.	
12	<p>Teacher's Ganit Rack Ganit Rack with larger beads to be used by the Teacher.</p>	
12a	Teacher's Ganit Rack Double Rod	225
12b	Teacher's Ganit Rack Single Rod	225
13	<p>Ganitmala (100) - Whole Class For whole class use to support development of Number Sense up to 100. To learn the position of numbers and to structure numbers. This helps to do mental addition and subtraction up to 100.</p>	450
14	<p>Ganitmala (100) Small To be used by individual child or shared by children along with whole class ganitmala. Age: 6 - 8 yrs.</p>	75
15	<p>Ganitmala (200) (with 5 Blank Number Cards) To develop number sense up to 200. To learn the position of numbers. To structure numbers up to 200.</p>	900
16	<p>Small Ganitmala (200) To be used by individual child or shared by children along with whole class Ganitmala. Age: 7 - 9 yrs.</p>	125
17	<p>Ganitmala 1000 (with 5 Blank Number Cards) To extend number sense up to 1000. With 1000 small beads in four colours to distinguish between tens and hundreds along with five blank number cards. Age: 7 - 12 yrs.</p>	600

18	Integer Ganitmala (200 Beads)	900
18a	Integer Dice - Set of two A string of large beads appropriately structured to easily locate the positive and negative numbers and to visualize operations on the number line. Accompanied by a special dice set for whole-class activities. Age: 11 - 13 yrs.	320
		Total cost 1220
19	Number cards 101 number cards (ranging from 0 to 100) with hooks to support numeral recognition. Tobe used along with the Ganitmala. Age: 4 - 8 yrs.	450
20	Number Catchers A set of bamboo-crafted holding apparatus to do skip counting and multiplication horizontally on the Ganitmala. Age: 7 - 12 yrs.	
20a	Number catcher I – for tables from 3 to 10	400
20b	Number catcher II – for tables from 11 to 15	375
21	Maan Cards (Place Value Cards) Also known as Gattegno cards. Consist of sets of units, tens, hundreds, thousands, ten thousands and lakhs cards to make up to any 6 digit number. Helps children to develop quantity value of the numbers on the basis of expanded notation. (Can be integrated with Ganitmala) Age: 6 - 11 yrs.	
21a	2 Digit Maan cards	40
21b	3 Digit Maan cards	60
21c	4 Digit Maan cards	100
21d	6 Digit Maan cards	190
22	Number Sticks A set of 200 sticks to structure and understand place value, addition and subtraction with carry-over and borrowing. Age: 6 - 9 yrs.	250
23	Dienes Blocks (Rubber) 100 units (small cubes), 20 tens (rods), 11 hundreds (plates) and 1 thousand (large cube).Blocks for teaching place value and related operations and for algebra. Age: 6 - 11 yrs.	400
24	Rangometry Triangles (isosceles and equilateral), squares, hexagons, trapeziums, thin rhombi and fat rhombi in 6 bright colours to make repeatable patterns called tessellations. Pattern recognition, development of creativity and hands-on feeling for geometrical concept sespecially angles. Age: 6 - 100 yrs.	220
25	Geo-board Square plastic board with pins to understand geometric properties of polygons andcircles. Age: 6 yrs. onwards	200
26	Balance (Brass) Contains weights of 50g, 20g, 10g x 2, 5g, 2g x 2 and 1g. 10 Plastic cubes of 1g each. A handheld measuring balance with weights for children to understand the meaning of balancing, including that of equations and the need for standard units for measurement. Age: 6 - 13 yrs.	500

27	<p>Currency 10 notes each of Rs.2000, Rs.500, Rs.100, Rs.50, Rs.20 and 100 notes each of Rs.10 and Re.1 and 10 coins each of Rs.5, Rs.2 & Re.1 Age: 8 - 12 yrs.</p>	300
28	<p>Jodo - base kit A set of 32 three-way, 12 four-way and 12 five-way connectors and 120 straws in four colours and three sizes to give children hands-on experience of constructing squares, rectangles and other polygons and to create 3-dimensional shapes of their imagination. Very useful for teaching angles. Age: 5 - 99 yrs.</p>	400
29	<p>Rectangle Rectangle – a Multiplication Game 200 squares in two colours (100 each) with two dice. The game will help children to understand the meaning of multiplication. Age: 7 - 12 yrs.</p>	200
30	<p>Solid Shape Kit A set of 7 solid shapes in wood to help children learn about plane and curved surfaces and relations between 3-D and 2-D shapes through tracing activities. Age: 7 - 12 yrs.</p>	550
31	<p>Fraction Kit Hands-on activities for developing an understanding of the meaning of denominator, numerator and equivalent fractions. Games support the automatization of the meaning of fraction notation including that of proper and improper fractions. 1. Two sets of five circular unit fraction cut-outs ranging from $\frac{1}{2}$ to $\frac{1}{8}$ 2. One set of $\frac{1}{12}$ and $\frac{1}{16}$ 3. One Whole – a full circle 4. Fraction dice 5. Fraction cards – 5 unit fractions and 16 non-unit fractions Appropriate for Math labs and class kits (1 kit for 4 children). (additional) Fraction base Age: 8 - 13 yrs.</p>	400 Rs. 25 pr base
31a	<p>Fraction Dice (Large) For whole class activities</p>	150
32	<p>Decimal kit A hands-on kit for children to understand and visualize decimals in relationship with decimal-fractions. Includes games to consolidate the meaning of decimal notation. Also to compare, order, add and subtract decimals.(Contains 1 Large Cube, 20 Plates, 20 Rods, 20 Small Cubes, 3 sets of Cards and 3 Wooden Dice). Appropriate for math labs and class kits (1 kit for 4 children). Age: 9 - 13 yrs.</p>	400
33	<p>Decimal Maan Cards Place value cards for decimals from units up to 3 decimal places.</p>	100
34	<p>Dienes Blocks (Plastic) Contains 100 units (small cubes), 20 tens (rods), 5 hundreds (plates) and 1 thousand (large cube). Blocks for teaching volume, area and weight. Each small cube weighs 1gram and has a volume of one cubic centimeter and one surface of 1 square centimeter. Can also be used for teaching either whole number or decimals place-value and related operations and for algebra. Age: 6 - 14 yrs.</p>	1000

35	<p>Tessellation Kit Apart from triangles, squares and hexagons, contains pentagons, heptagons, octagons and dodecagons. Useful for making patterns and discovering all the regular polygons that can tessellate as well as for dealing with some of them that cannot. Also for Math labs. Age: 8 - 16 yrs.</p>	350
36	<p>Sorting Kit A set of triangles/quadrilaterals made so as to help children go over from a visual to an analytical understanding of geometrical shapes. Triangle Sorting Kit Quadrilateral Sorting Kit Age: 8 - 14 yrs.</p>	150 150
37	<p>Volume Measuring Set Measuring Cylinder (100ml), Beaker (100ml) and plastic cubes of 1 cm³. Nets for making boxes of different volumes including of one litre. Useful for children to develop understanding of capacity of measuring liquids used in everyday life and for understanding volume. Can also explore relationship between cc and ml. Age: 8 - 12 yrs.</p>	200

MATHEMATICAL LEARNING GAMES

38	<p>Matching-Matching Game 2 sets of numeral and dot cards up to 10. Dot card sets have different arrangements. Matching activities can be done to promote number sense and numeral recognition. Animal pictures on reverse side for counting games. Age: 3 - 6 yrs.</p>	150
39	<p>Billi Ke Bachhe – Board Game A board game with dice for number sense up to 10 with a story of three kittens. Age: 4 - 6 yrs.</p>	150
40	<p>Billi Ke Bachhe – Small Book for individual reading</p>	-
41	<p>Ghar Chalo A board game to develop a sense of sequence of numbers up to 20 and to support addition and subtraction. Age: 4 - 7 yrs.</p>	160
42	<p>Sau (100) Rang ki Khoj A board game to develop a sense of the ten-base structure of our number system. Also helps to automatize small number addition. Age: 6 - 100 yrs.</p>	250
43	<p>Digit Cards A set of 108 cards to make 3-digit and 4-digit numbers in a game context. Helps to internalize the meaning of place-value. The game involves multiple strategies and can be enjoyed by adults also. Age: 7 - 100 yrs.</p>	200

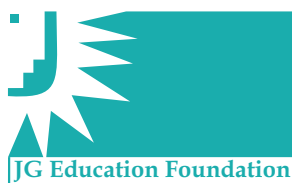
44	<p>Juggling Numbers A card and dice game for mental addition and subtraction involving multiples of 5. And also number facts of 8 and 2. Age: 7 - 100 yrs.</p>	250
45	<p>Taming the Tables Six set of cards of the multiplication tables of 3, 4, 6, 7, 8 and 9 in different colors with two dice. The practice game will help children to automatize tables. Age: 7 - 12 yrs.</p>	250
46	<p>Tangram - The classical Chinese puzzle contains -7 tangram pieces -Booklet showing twin tangrams, convex shapes as well as usual pictures classified according to subject -Two sheets for introducing tangram to young children Age: 3 - 100 yrs.</p>	80

TEACHER'S ACTIVITY MANUALS

47	<p>Maths Tool Kit – Book 1 (Nursery) Dealing with teaching of number sense and numeral recognition up to 10 and beyond, early shape and spatial sense and pattern activities.</p>	NA
48	<p>Maths Tool Kit - Book 2 - Activities for Early Number Sense (KG) Details of activities for number sense and numeral recognition for numbers up to 20 and beyond.</p>	100
49	<p>Maths Tool Kit – Grade I Details of activities for developing number sense and numeral recognition up to 100, introduction to place value and shapes.</p>	120
50	<p>Maths Tool Kit – Grade II Teaching of number and number operations, place value to 100 and introduction to multiplication and 2-D geometry.</p>	120
51	<p>Maths Tool Kit – Grade III Details of activities for teaching numbers upto 1000, consolidating multiplication and multiplication tables, introduction to fractions and to 3-D geometry.</p>	120
52	<p>Maths Tool Kit – Grade IV Details of activities for consolidation of place value, unit fractions, factors and 2-D & 3-D geometry.</p>	120
53	<p>Maths Tool Kit – Grade V Deals with activities for number patterns, for understanding prime numbers, LCM & HCF as well as for extension of activities for fractions, decimal introduction and for measurement of angles, weight and volume.</p>	120

SCIENCE TEACHING-LEARNING MATERIALS

54	Balance (Brass) A hand-held measuring balance with weights for children to understand the meaning of balancing, including that of equations and the need for standard units for measurement. Contains weights of 50g, 20g, 10g x 2, 5g, 2g x 2 and 1g. 10 Plastic cubes of 1g.	500
55	Bar Magnets (Plastic) Circular pot of diameter 50mm with magnification 4X. One can put bugs etc. inside and see them magnified.	160
56	Bug Box Details of activities for developing number sense and numeral recognition up to 100, introduction to place value and shapes.	150
57	Periscope	110
58	Linen Tester High clarity fold-up magnifier of magnification power 10X to see the texture of cloth,paper, skin among other things.	150
59	Lens I (Big) Magnification power 2.25X and diameter 75 mm.	150
60	Prism Triangular transparent acrylic prism.	100
61	Solar Filter Double sheets of aluminum polymer film for seeing sun (quality approved by BARC).	15
62	kaleidoscope	110
63	Telescope	110



**GST 12% will be added to all prices wherever applicable.
Transportation costs have to be borne by the purchasers.**