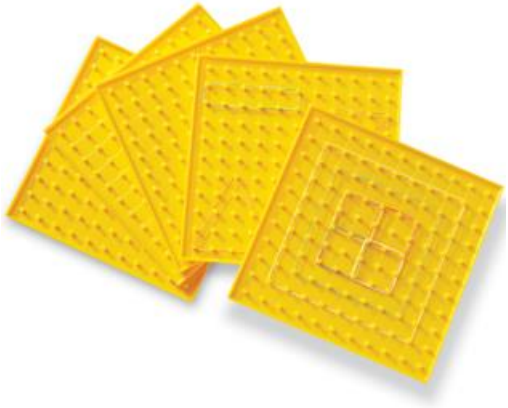
Government of the Republic of Trinidad and Tobago
MINISTRY OF EDUCATION
Curriculum Planning and Development Division
Tel No: 679 -4119 Fax: 636-9296 e-mail: curriculum.division@moe.edu.tt

INVENTORY
OF
MATHEMATICS RESOURCES

MATHEMATICS RESOURCES

	MANIPULATIVE	Page	YouTube Link to Video Illustration [Press Ctrl + Click to follow link or Copy and Paste Link into Address Bar (WAIT A FEW SECONDS)]
1.	Geoboard- 9”x 9”/11 x 11	3	https://www.youtube.com/watch?v=FCtTD5oznaw
2.	GeoReflector	3	https://www.youtube.com/watch?v=4f18Jq0_9e8
3.	Folding Geometric Shapes	4	https://www.youtube.com/watch?v=4RsntnEwpS0
4.	Interlocking Centimetre Cubes	4	https://www.youtube.com/watch?v=F8ybkGfX2kk
5.	Fraction Tower Equivalency Set	4	https://www.youtube.com/watch?v=yBEDs4tQwYY
6	Pattern Blocks	4	https://www.youtube.com/watch?v=3l53Pxue9G8
7	Math Link Cubes	5	https://www.youtube.com/watch?v=2qn6EBstm4M
8	Tangram Set	5	https://www.youtube.com/watch?v=uRwDGQw2JoI
9	Attribute Blocks	6	https://www.youtube.com/watch?v=aW9dJ6onnXA&t=556s
10	Coloured wooden blocks	6	https://www.youtube.com/watch?v=idk5Wz48pJs
11	Foam magnetic fraction pieces	7	https://www.youtube.com/watch?v=KkEE3hvG-V8
12	2-colour counters	7	https://www.youtube.com/watch?v=_D6bk0GvvXA
13	Large Geometric Solids	7	https://www.youtube.com/watch?v=9pjDhl4dWN8
14	One inch wooden blocks	7	https://www.youtube.com/watch?v=aP0IIY0lWl8
15	Pocket Chart	8	https://www.youtube.com/watch?v=3ZOeVMf6c6E
16	Magnetic Board	8	https://www.youtube.com/watch?v=QfLXkRkZzLQ
17	Math Balance	8	https://www.youtube.com/watch?v=uV-heqCBG1g
18	Number Lines	8	https://www.youtube.com/watch?v=9OzENFeK8GI
19	Transparent Counters	9	https://www.youtube.com/watch?v=DtaN_xFUD9M
20	Hands on Standards, Pre K – K Hands on Standards, Grades 1 - 2 Hands on Standards, Grades 3 - 4	9	Hands on Standards, Pre K – K Hands on Standards, Grades 1 - 2 Hands on Standards, Grades 3 - 4

1 - Geoboard



Help students understand geometry concepts with hands-on exploration. This math manipulative is great for teaching simple shapes and more advanced concepts like symmetry, angles, and fractions

Specifications:
Standard 11 x 11 pin grid on single-sided yellow geoboard. Knobbed pins hold rubber bands in place.

9”x9”/11 x 11 PIN

2 - GeoReflector

GeoReflectors features see-through plastic surface with special reflective qualities that allow students to gain an intuitive understanding of geometry, symmetry and congruence as they view, move and draw images.

Specifications:

Set of 6

3 - Folding Geometric Shapes

Model geometric shapes in both two and three dimensional form with this combination set. Use to teach visualization and spatial reasoning in measurement, area, volume and surface area concepts.

Specifications:
32-piece set includes cylinder, square, pyramid, cube, rectangular prism, triangular prism, cone, hexagonal prism and triangular pyramid

4 - Interlocking Centimetre Cubes

Each plastic one-centimeter cube weighs 1 gram. Measure, sort, classify, create and extend patterns, and use for graphing.

Specifications:
Set of 1 000 cubes in 10 colours

5 - Fraction Tower Equivalency Set

Illustrate the relationship between fractions, decimals and percents with this set of color-coded cubes. Cubes feature fractions, decimals and percents clearly marked on each side to provide students with a visual representation of equivalencies.

Color-coding helps students apply their understanding of fraction concepts to new contexts.

Specifications:
Set of 51 color-coded cubes

6 - Pattern Blocks Video

Motivate young students when learning geometry and pattern design. Use this set of blocks, in 6 shapes and 6 colours, to explore patterns, symmetry, linear and area measurement, fractions and problem solving. Shapes include hexagon, trapezoid, square, triangle, parallelogram and rhombus.

Specifications:
Set of 2000 plastic pieces

7 - Math Link Cubes

Use for patterning, basic operations, measurement and problem solving. Great for counting, sorting, measurement and graphing. Cubes link together on all sides so students can easily build and explore spatial relationships.

Specifications:
Set of 1000 two centimeter cubes in 10 colours

8 - Tangram Set

The whole class can practice problem solving with this ancient Chinese 7 piece puzzle. Practice comparing, composing, and decomposing shapes.

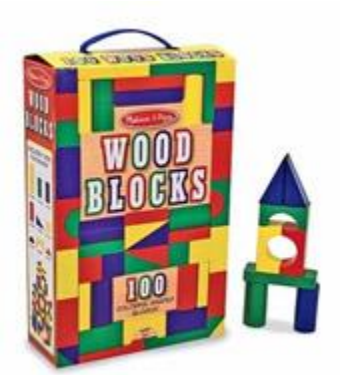
Specifications:
Set of 30 tangrams in 6 assorted colours: red, blue, yellow, green, orange and purple.

9 - Attribute blocks

Attribute blocks are a good introduction to logical thinking for young learners. They learn colour, size and shape concepts by sorting blocks. Words like large, thick, thin and the names of the shapes may have little meaning at first but the more the children play games with the attribute blocks, the quicker they learn Sets include red, yellow and blue circles, hexagons, rectangles, squares and triangles. Each set include different sizes and thicknesses of the blocks so students may differentiate by thick or thin and large or small.

Specifications:
A standard set contains 60 blocks in hard plastic packaged in a box or jar

10 - Colored wooden blocks



Colored wooden blocks come in many shapes and are invaluable for teaching geometry, symmetry, number sense, counting, patterns, and more. When children build with them they have practice problem solving and planning, activities such as stacking blocks teach children about balance and gravity and building with blocks encourages development of social skills as kids play together.

Specifications:
A set of 100, packaged for ease of use

11 - Foam Magnetic Fraction Pieces

These fraction circles are made of foam and are magnetic. They are terrific for teaching students about fractions and their relationships. When young children begin using them they see, feel, and compare equivalent fractions and as they get older the fraction terms become meaningful from their previous play experiences.

Specifications:

Set includes 51 proportional foam magnetic pieces showing fractions in a whole, halves, thirds, fourths, fifths, sixths, eighths, tenths, and twelfths. Use the large 9" foam fraction circles on any magnetic surface.

12 - Two-colour counters

Specifications:

2 sided counters are about one-inch in diameter and have one red side and one yellow side

13 - Large geometric solids

These 3D set of geometric solids have a common 3" dimension to illustrate relationships between area, volume, shape, form and size.

Specifications:

The plastic shapes include a cone, a sphere, a hemisphere, a cube, a cylinder, a rectangular prism, a hexagonal prism, a triangular prism, a square pyramid and a triangular pyramid.

Set of 19 wooden solids

14 - One-inch wooden blocks

One-inch cubes are durable 1" hardwood cubes that come in six colours and are perfect for beginning counting, patterning, colour recognition, teaching basic geometric concepts and building.

Specifications: Set of 100 in a plastic jar, 100 per set

15- Pocket Charts with number cards 0-100

This is ideal for teaching counting, number patterns and the four basic operations on numbers

Specifications:

This number pocket chart is washable and comes with 100 numbered cards colored differently on reverse.

Includes a teaching guide

16 - Magnetic Board

This dual-purpose coated metal board is perfect for use with magnetic letters, numbers, and shapes or with wipe-off markers. Rope attached to individual-sized board allows easy carrying or hanging. (14'W x 11'H)

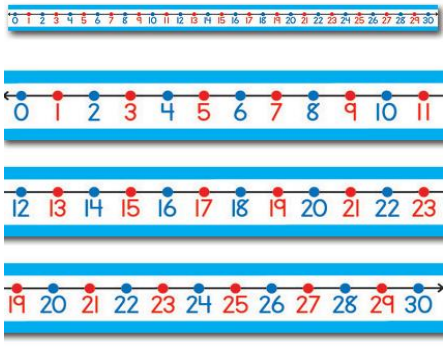
17 - Math Balance

Perfect for exploring basic measurement concepts. Measure, explore volume and compare solids and liquids with this sturdy balance. Calibrated clear buckets with removable lids hold solids or up to 400 ml of liquid. Easy pour spout makes measuring liquids easy.
Lids can also serve as platforms and the built-in drawer is perfect for storing weights.

Specifications:

16 ½" x 6 ½" x 6"

18 - Number Lines



Includes numbers 0 to 30. Color coded for even and odd numbers. Write-on wipe-off surface.

Specifications:

30 number lines per unit, 22" x 1 ½"

19 - Transparent counters

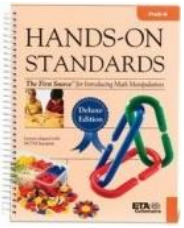
These chips are excellent for counting, sorting.

Specifications:

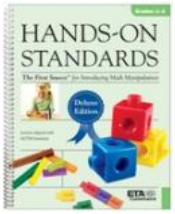
Set contains 1000 one inch transparent chips

20- Hands on Standards

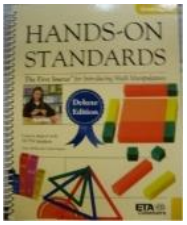
Hands on Standards, the First Source for Introducing Math Manipulatives: Pre K – K



Hands on Standards, the First Source for Introducing Math Manipulatives: Grades 1-2



Hands on Standards, the First Source for Introducing Math Manipulatives: Grades 3-4



MATHEMATICS RESOURCES - PCR

MANIPULATIVE	DESCRIPTION
Super Sorting Set with Activity Cards	Comprehensive manipulatives set with more than 620 colour-coordinated sorting items and Super Sorting Activity Cards, sorting bowls, heavy-duty eight-compartment tray, number cube and three spinners.
Set of Solids	Plastic solids, 3" in size - used to explore geometric principles – Set of 10.
Geostrips	Set of 68. Flexible rods which enable children to construct and investigate triangles, squares and rectangles.
Geoboards	Two different pin arrangements. Set of 6.
Three Bear Family Counters	96 piece set. Bears in three sizes, three weights and four bright colours for engaging students in size-grading, mass comparison, patterning, counting and sorting.
Cuisenaire Rods	Six sets of 74 plastic rods, six trays with lid and Teacher's Guide which will give students visual confirmation of their hands-on investigations of math concepts.
Place Value Mats	These 11" x 17"□ paper worksheets help students work in base ten (with or without blocks). Each pad consists of 25 sheets lined vertically in columns for 1000's, 100's, 10's and ones.
Equal Arm Balance/ Beginners Balance	Durable, plastic scale with detachable pans can hold solids or up to 500ml liquid.
Reversible Graph It Maps	4 x 12 grid/Venn Diagram double-sided vinyl mat. Measures 6'L x 2'H.
Linking Cubes (2cm)	Cubes come in ten bright colours. Set of 100.
Analog Clock (set)	Set of 10 durable plastic clock faces.
Pattern Blocks	250 one-centimetre blocks in six shapes and colours
DVD-ROM	Elementary Advantage 2012 AMR
CD ROM	Mighty Math Carnival Countdown
Game	***Edushape Hopscotch Game Set*** Number sequence and numeral recognition game
Game	***Pegs in the Park*** Number recognition, addition, subtraction and sequencing
Game	***I Have….. Who Has?*** Math - addition, subtraction, greater than or less than
Game	***Qwirkle*** Patterning, sequencing and problem solving
Game	***Shape by Shape*** Geometry, spatial sense, logical and critical thinking
Game	***Pop for Numbers Game*** Number recognition, greater than/less than and place-value skills
Game	***Mastermind*** Patterning, logical and strategic thinking and problem solving
Game	***No Stress Chess*** Logical thinking, strategic thinking, reasoning and problem solving

TEXT	AUTHOR	ISBN NUMBER
Two Ways to Count to Ten: A Liberian Folktale		ISBN-10: 0780735471 ISBN-13: 978-0780735477
Circus Shapes		ISBN-10: 0064467139 ISBN-13: 978-0064467131
Just a little bit		ISBN-10: 0395515270 ISBN-13: 978-0395515273
One, Two, Three, Going to Sea		ISBN-10: 0590026054 ISBN-13: 978-0590026055
Three Pigs, One Wolf and Seven Magic Shapes		ISBN-10: 0590308572 ISBN-13: 978-0590308571
How Big Is a Foot?		ISBN-10: 0440404959 ISBN-13: 978-0440404958
Anno's Counting House	Mitsumasa, A.	
Jim and the Beanstalk		ISBN-10: 9780698115774 ISBN-13: 978-0698115774
The Very Hungry Caterpillar		ISBN-10: 0399213015 ISBN-13: 978-0399213014
Cook-a-doodle-doo!	Steven, J. & Crummel, S.S.	ISBN-10: 0152019243 ISBN-13: 978-0152022402
Teaching Student-Centered Mathematics: Developmentally Appropriate Instruction for Grades Pre K-2, Volume I: 2nd Edition	Van de Walle, John A., Lovin, Lou Ann H. Karp, Karen S. Bay-Williams, Jennifer M.	ISBN-10: 0132824825 ISBN-13: 978-0132824828