

**Vedic Mathematics, Science & Technology
Teacher Course**

By Dr. S. K. Kapoor

PHASED LEARNING OF VMS & T

This day the course focus is upon 'Phased learning of VMS & T'. It four folds aspects being taken up are as follows:

41. Chase along the format of sequential of order of range:
(linear order).
42. Distinctiveness of differently ordered domain.
43. Sequentially phased learning and teaching of VMS & T:
 - a. School level.
 - b. Graduation level.
 - c. Post graduation level.
44. 3-space VMS & T.

The values being covered are to be taught as lessons numbers 41 to 44 to the students of 5-space Vedic Mathematics, Science & Technology.

LESSON-41

**CHASE ALONG THE FORMAT OF SEQUENTIAL OF
ORDER OF RANGE: (LINEAR ORDER)**

1. Existence phenomenon chase is of sequential range of orders: linear order to Brahman order.

2. Linear order to Braham order range is of 9 sequential step of 1-space in the role of dimension to 9-space in the role of dimension
3. Linear order (1-space) in the role of dimension takes to the format of hyper cube 3.
4. And a step ahead,
 - a. Spatial order (2-space) as dimension leads to format of hyper cube 4.
 - b. Solid order (3-space) as dimension leads to format of hyper cube 5.
 - c. Creator order (4-space) as dimension leads to format of hyper cube 6.
 - d. Transcendental order (5-space) as dimension leads to format of hyper cube 7.
 - e. Self-referral order (6-space) as dimension leads to format of hyper cube 8.
 - f. Unity state order (7-space) as dimension leads to format of hyper cube 9.
 - g. Natural order (8-space) as dimension leads to format of hyper cube 10.
 - h. Brahman order (9-space) as dimension leads to format of hyper cube 11.
5. The dimensional orders become the formats of measure of the dimensional domain.
 - a. Linear order accept measure of value (1 as 1)
 - b. Spatial order accepts measure of value (1 as 2 and 2 as 1).
 - c. Solid order accepts measure of value (1 as 3 and 3 as 1).
 - d. Creator order accepts measure of value (1 as 4 and 4 as 1).

- e. Transcendental order accepts measure of value (1 as 5 and 5 as 1).
 - f. Self-referral order accepts measure of value (1 as 6 and 6 as 1).
 - g. Unity state order accepts measure of value (1 as 7 and 7 as 1).
 - h. Natural order accepts measure of value (1 as 8 and 8 as 1).
 - i. Brahman order accepts measure of value (1 as 9 and 9 as 1).
6. Sadhakas fulfilled with intensity of urge to know and to explore further the reach of relationship between dimension fold and domain fold shall workout dimension fold as a format of measure of the domain fold.
 7. This chase will bring us face to face with mathematics, sciences and technologies of 1-space to 9-space of measure [(1 as 1), (1 as 2 and 2 as 1), (1 as 3 and 3 as 1), (1 as 4 and 4 as 1), (1 as 5 and 5 as 1), (1 as 6 and 6 as 1), (1 as 7 and 7 as 1), (1 as 8 and 8 as 1) and (1 as 9 and 9 as 1)].
 8. One may have a pause here and take note that the number value sequence (1, 2, 3, 4, 5, 6, 7, 8, 9 ...) sequentially unfolds its linear order to higher orders as of formats:
 - a. (1, 2, 3, 4, 5, 6, 7, 8, 9 ...)
 - b. ($1^0 \times 1$, $1^0 \times 2$, $1^0 \times 3$, $1^0 \times 4$, $1^0 \times 5$, $1^0 \times 6$, $1^0 \times 7$, $1^0 \times 8$, $1^0 \times 9$...).
 - c. ($1^1 \times 1$, $1^1 \times 2$, $1^1 \times 3$, $1^1 \times 4$, $1^1 \times 5$, $1^1 \times 6$, $1^1 \times 7$, $1^1 \times 8$, $1^1 \times 9$...).
 - d. ($1^2 \times 1$, $1^2 \times 2$, $1^2 \times 3$, $1^2 \times 4$, $1^2 \times 5$, $1^2 \times 6$, $1^2 \times 7$, $1^2 \times 8$, $1^2 \times 9$...).

- e. ($1^3 \times 1, 1^3 \times 2, 1^3 \times 3, 1^3 \times 4, 1^3 \times 5, 1^3 \times 6, 1^3 \times 7, 1^3 \times 8, 1^3 \times 9 \dots$)
 - f. ($1^4 \times 1, 1^4 \times 2, 1^4 \times 3, 1^4 \times 4, 1^4 \times 5, 1^4 \times 6, 1^4 \times 7, 1^4 \times 8, 1^4 \times 9 \dots$)
 - g. ($1^5 \times 1, 1^5 \times 2, 1^5 \times 3, 1^5 \times 4, 1^5 \times 5, 1^5 \times 6, 1^5 \times 7, 1^5 \times 8, 1^5 \times 9 \dots$)
 - h. ($1^6 \times 1, 1^6 \times 2, 1^6 \times 3, 1^6 \times 4, 1^6 \times 5, 1^6 \times 6, 1^6 \times 7, 1^6 \times 8, 1^6 \times 9 \dots$)
 - i. ($1^7 \times 1, 1^7 \times 2, 1^7 \times 3, 1^7 \times 4, 1^7 \times 5, 1^7 \times 6, 1^7 \times 7, 1^7 \times 8, 1^7 \times 9 \dots$)
 - j. ($1^8 \times 1, 1^8 \times 2, 1^8 \times 3, 1^8 \times 4, 1^8 \times 5, 1^8 \times 6, 1^8 \times 7, 1^8 \times 8, 1^8 \times 9 \dots$)
 - k. ($1^9 \times 1, 1^9 \times 2, 1^9 \times 3, 1^9 \times 4, 1^9 \times 5, 1^9 \times 6, 1^9 \times 7, 1^9 \times 8, 1^9 \times 9 \dots$)
9. It would be a blissful to visit and to revisit the feature of addition of length with length, area with area, volume with volume and higher volume with higher volume.
 10. It would further be blissful to visit and to revisit the feature of a dimensional frame of a pair of linear dimensions, and of a pair of spatial dimension, and of a pair of solid dimensions, and of a pair of hyper solid dimensions.
 11. It would be a blissful to visit the feature of multiplication along a line, along a surface, within a space.
 12. Still further it also would be blissful to visit and to revisit reflection operation, as a pair of horizontal orientations, and of a pair of vertical orientations.
 13. Multiplication, as a repeated addition, and multiplication, as addition of power, are the feature of multiplication operation, which deserves to be properly comprehended for their complete appreciation.

14. Likewise, division, as a repeated subtraction, and division as a subtraction of power, as well deserves to be properly comprehended for complete appreciation.
15. The chase of a line as a format for setting of points, and line as a 1-space domain of negative linear order constituents, as well deserves to be properly comprehended for complete appreciation, like wise surface as a format for setting of points and lines, and further, surface as 2-space domain, as well deserves to be properly comprehended for its through appreciation.



LESSON-42

DISTINCTIVENESS OF DIFFERENTLY ORDERED DOMAIN

1. Linear order to Brahman order distinctively structure Tri-Loki to Rudras Universe.
2. Tri-Loki to Rudras Universe are structurally ordered as per the synthetic values of dimensional frames of linear dimensions to Brahman dimensions.
3. Tri-Loki as a linearly ordered domain is framed within a dimensional frame of 3 linear dimensions.
4. So framed domain within a dimensional frame of 3 linear dimensions results into manifestation of 3-space content lump enveloped within a spatial boundary.
5. This results into a double framed 3-space domain, firstly because of a dimensional frame of 3 linear dimensions, and secondly due to the spatial boundary enveloping 3-space domain itself.

6. So framed 3-space domain accepts a creative origin (spatial 4-space) in the role of origin.
7. So ordered and such ordnance of 3-space domain, with its double frame due to its dimensional frame and enveloping boundary together with its origin, that way makes it a distinctively ordered domain fold of hyper cube 3 (cube).
8. With superimposition of origin a 3 dimensional frame upon the origin of this domain fold, makes this domain fold being a sealed domain fold of 3-space (content).
9. One may have a pause here and take note that sealed domain fold (3-space) and this domain fold in its unsealed state make this domain fold being of a pair of different set up.
10. One may have a pause here and to visit and revisit above features of 3-space (content) manifesting as a domain fold of hyper cube 3 (cube).
11. It would be a blissful exercise to glimpse and to comprehend above features distinctively as the structural spectrum of 3-space domain.
12. It would further be a blissful exercise to sequentially chase structural spectrum of the whole range of domain folds of hyper cube (3, 4, 5, 6, 7, 8, 9, 10, 11), in that sequence and order and to have a comprehensive view of distinctiveness of these dimensionalised domains.
13. It would be blissful to take note that the distinctiveness of values structures of linear, spatial, solid, creative, transcendental, self-referral, unity state, natural state and Brahman state ordered domains makes distinct Discipline of mathematics, sciences and technologies.
14. Sadhakas fulfilled with intensity of urge to know and to explore further distinctiveness of values of mathematics,

sciences and technologies of different dimensional spaces, shall sequentially chase linear ordered domain to Brahman ordered domain in terms of their measures and the measuring rod.

15. This chase will bring us face to face with the distinctive values as:
- a. 3-space V.M.S & T
 - b. 4-space V.M.S & T
 - c. 5-space V.M.S & T
 - d. 6-space V.M.S & T
 - e. 7-space V.M.S & T
 - f. 8-space V.M.S & T
 - g. 9-space V.M.S & T
 - h. 10-space V.M.S & T
 - i. 11-space V.M.S & T



LESSON-43

SEQUENTIALLY PHASED LEARNING AND TEACHING OF VMS & T

I

SCHOOL LEVEL

1. 3-space VMS & T shall be the central focus of learning and teaching for class 9.
2. 4-space VMS & T shall be the central focus of learning and teaching for class 10.
3. 5-space VMS & T shall be the central focus of learning and teaching for class 11.

4. 6-space VMS & T shall be the central focus of learning and teaching for class 12.

II

GRADUATION LEVEL

1. 7-space to 9-space VMS & T values may be the central focus of studies at graduation level.

III

POST GRADUATION LEVEL

1. 10-space and 11-space VMS & T values to be of central focus of explorations and post graduation level.
2. Senior Sadhakas performs Dwadash Yajana to be unison with the order of Dwadash Adithyas (Suns).
3. Policy makers aiming to enliven learning and teaching of Ancient Wisdom may implement the policy of parallel values.



LESSON-44

3-SPACE VMS & T

1. 3-space VMS & T focus is going to be upon:
 - i. Linear order
 - ii. Dimensional frame of 3 linear dimensions.
 - iii. 3-space content
 - iv. 3-space content lump.
 - v. 3-space domain (fold).

- vi. Sealed 3-space domain within double frame of dimensional frames and of enveloping spatial boundary.
- vii. On un-sealed state domain fold of 3-space.
- viii. 7 geometries range of 3-space.
- ix. 7 versions of cube.
- x. 3-space as dimension fold.
- xi. 3-space as boundary fold.
- xii. 3-space as domain fold.
- xiii. 3-space as origin fold.
- xiv. 3-space as base (fold).
- xv. 3-space as format (fold).
- xvi. 3-space as unity state (fold).
- xvii. Cube within cube
- xviii. Interval, square and cube within cube.
- xix. Sathapatya measuring rod of 3-space.
- xx. Synthesis set up of hyper cube 0, hyper cube 1, hyper cube 2 and hyper cube 3.
- xxi. The range of values (-1, 0, 1, 2, 3, 4, 5, 6).
- xxii. Linear dimensional synthesis values range (-1, 0, 1, 3, 6, 10, 15, 21).
- xxiii. Spatial dimensional synthesis values range (-2, 0, 2, 4, 6, 8, 10, 12).
- xxiv. Solid dimensional synthesis values range (-3, 0, 3, 5, 6, 5, 3, 0).
- xxv. Structural synthesis of a pair of intervals leads to $(3+2) = 5$ structural components set up.
- xxvi. Structural synthesis of a quadruple of square leads to $(9+6) + (6+4) = 25$ structural components set up.

- xxvii. Structural synthesis of 8 cubes of leads to $[\{(27+18) + (18+12)\} + \{(18+12) + (12+8)\}] = 125$ structural components set up.
- xxviii. The values triple $(5^1, 5^2, 5^3)$.
- xxix. 2-space accepts 5 geometries range parallel to it, there are 5 versions of square of hyper cube 2.
- xxx. Creative origin (4-space as origin) is of a spatial order, and it permits transcendence for lead up-till base (fold).
- xxxi. Base, fold/ 5th fold, as extension of 4 folds (1, 2, 3, 4)/ (1-space as dimension, 2-space as boundary, 3-space as domain and 4-space as origin) (5-space as base).
- xxxii. The enveloping boundary of cube is a structural set up of 26 components (8 corner points, 12 edges, 6 surfaces).
- xxxiii. In each corner points of cube is embedded a 3 dimensional frame of half dimensions within inwards orientations.
- xxxiv. Cube as 4 internal diagonals.
- xxxv. The end points of the diagonals are superimposed upon the corner of the cube which are seats of origins of 3 dimensional frames embedded in the respective corner points.
- xxxvi. And the internal diagonal of the cube plays the role of translation path for inward translation for the dimensional frames embedded in the corner points.
- xxxvii. The inward translation of pair of 3 dimensional frames with their reach at the centre synthesis a 3 dimensional frame of full dimensions.

- xxxviii. The synthetic set up of quadruple 3 dimensional frame of full dimensions together with the 3 dimensional frame of the cube make a set up of five 3 dimensional frames of full dimensions which together go parallel to the solid dimensional frame of 5 dimensions of transcendental domain.
- xxxix. It is the compactified state of origins and centre of the cube which brings us face to face with the 5-space as origin of 4-space, which itself is of origin of 3-space, all having a common seat of placement as centre of the cube.
- xl. It would be a blissful exercise to glimpse and imbibe superimposition of origins of 3, 4 and 5-spaces.
- xli. It is the sequentially release of origins during transcendence at the creative origin fold of 3-space which makes 3-space Vedic Mathematics, Science & Technology beings very reach Discipline of Mathematics, Science and Technologies.
- xlii. It would be a blissful to glimpse and imbibe the values of the process of transition from linear order 3-space Vedic Mathematics, Science & Technology to values of spatial order 4-space Vedic Mathematics, Science & Technology.

