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

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4-SPACE MATHEMATICS

This day the course focus is upon '4-space Mathematics'. It four folds aspects being taken up are as follows:

21. 4-Space Mathematics General
22. Arithmetic of 4-space
23. 4-space Sciences
24. 4-space Technologies

The values being covered are to be taught as lessons numbers 21 to 24 to the students of 4-space Vedic Mathematics, Science & Technology.

LESSON-21

4-SPACE MATHEMATICS
GENERAL

1. Spatial order of 4-space charter-rises the distinctive processing steps for 4-space domain.
2. Square (hyper cube 2) as the representative regular body of 2-space, 2-space playing the role of dimensions of 4-space, bring square at the base of the processing characteristics of 4-space mathematics.

3. One may have a pause here and take note that Vargas (square) is the only geometric body formulation which has been availed by the text of Ganita Sutras and Upsutras.
4. With it, Ganita Sutras and Upsutras mathematics becomes the mathematics of 4-space format.

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LESSON-22
ARITHMETIC OF 4-SPACE

1. Arithmetic of 4-space is of a pair of unit '2 as 1 and 1 as 2' leading to '1/2', as a working unit.
2. The numbers range (1, 2, 3, 4, 5, 6 …) becomes of format (1x1, 1x2, 1x3, 1x4, 1x5, 1x6 …) in 4-space because of its spatial order.
3. This leads to a pair of values flow format axes (1, 3/2, 2, 5/2, 3 …) and (1, 3/2, 2, 5/2, 3 …) as values parallel for the dimensional frame pair of dimensions for spatial order (2-space in the role of dimensions).
4. This leads to a values range (1+1, 3/2+3/2, 2+2, 5/2+5/2, 3+3, …).
5. One may have a pause here and take note that the mathematics of linear order 3-space (1-space in the role of dimensional of 3-space) becomes the mathematics of ranges (1, 2, 3, 4, 5, 6 …).
6. A step head, mathematics of 4-space of spatial order (2-space in the role of dimension) becomes the mathematics of value range (2, 3, 4, 5, 6 …).
7. Further as that, mathematics of 3-space is the mathematics of unit '1 as 1' while mathematics of 4 is

the mathematics of a pair of unit '2 as 1 and 1 as 2' leading to '1/2' as a working unit.

8. Further, mathematics of linear order (3-space) is the mathematics of value 1 as a single artifice.

9. On the other hand, the mathematics of a spatial order (4-space) is the mathematics of a pair of artifices.

10. Mathematics of linear order (3-space), is the mathematics of 'length' as a unit.

11. Mathematics of spatial order (4-space), is the mathematics of 'area' as a unit.

12. One may have pause here and take note that 'length' 'area' units are of distinct generic (units).

13. One may have a pause here and take note that n points cover (N-1) linear unit as 'n' points range is having (N-1) gaps.

14. As such, points count and their gaps counts are a pair of different generic counts. However, when n points are along is circumference, they are having preciously N gaps making points and gaps intervals being equal in number but of different generic (units).

15. It is the distinguishing feature of linear order and spatial order set up which deserves to be comprehended well for their full appreciation. For it 4-space mathematics simultaneously handles boundary and domain. While linear mathematics deals with boundary and domain distinctively.

16. Mathematical notes of linear order mathematics dissolve with availability of spatial order.

17. As such, the mathematical domain of spatial order 4-space mathematics is of much dipper structures than that of linear order 3-space mathematical domain.

18. In fact, spatial order mathematical domain is inclusive of linear order mathematical domain as well.
19. This adds to richness of arithmetic of 4-space.
20. Spatial order supplies algebraic format to arithmetic operation. Further algebraic operation get support of geometric format. still further geometric format themselves, get support of manifestation formats.
21. And, manifestation formats are sustained by the transcendence phenomenon.

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LESSON-23
4-SPACE SCIENCES

1. 4-space sciences avail transcendence features of domain folds.
2. Permissibility of sequential transcendence through domain fold takes from 'matter to frequencies of energies'.
3. The organization of elements along Sathapatya measuring rod format is one feature whose value deserve to be comprehended well to acquire proper insight and appropriate enlightenment about sciences of dimensional spaces.
4. This amounts to a chase of existence phenomenon within frames, including existence phenomenon within human frame.
5. The transformation of space content into dimensional spaces content, is one another feature of science of dimensional spaces.

6. Manifestation of dimensional space content has domain fold and different roles accepted by the domain fold is one another feature of sciences of dimensional spaces.
7. This way, interrelationship of mathematics and sciences becomes the basic aspect for reach from throughtical model to practical values of sciences.
8. Mathematics deserves to be approach as basis base of sciences and technologies.
9. Science on one hand shares values with mathematics, and on the other hand, science share values with the technologies.
10. 4-space sciences bring us face to face with the transcendence and other aspect of values of 4-sapce domain.

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ESSON-24
4-SPACE TECHNOLOGIES

1. 4-space technologies work out solid boundary permitting take off for structuring outside space within solid dimensional frame of 5 solid dimensions.
2. 4-space technologies further chase transcendence for the spatial order of 4-sapce domain through it solid order transcendental origin for a reach at creative order base fold.
3. This pair of outward and inward technologies of real 4-space are of transcendental features and values.
4. Human intelligence field as well is the sublime value of technologies of 4-space.

RECAPITULATION

1. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe the format features and values of hyper cube 4 format.
2. Further one shall follow the enlightenment path of Lord Brahma and to get multiplied with the grace of transcendental lord.
3. It would be a blissful to approach 4-space mathematics, science and technology starting with basis base mathematics of Ganita Sutras and upsutras.
4. Mathematics domain of Ganita Sutras and upsutras, and its processing step deserves to be chased along Sathapatya measuring rod format.
5. Word formulation availing Devnagri alphabet deserves to be availed in terms of their values and geometric format.
6. One shall update one's dictionary of word formulations availing Devnagri alphabet.
7. Sadhakas fulfilled with intensity of urge to completely comprehend and to fully appreciate the reality of 4-space shall initiate themselves with formulation Brahama and to glimpse and imbibe the values of Idol of Lord Brahma.
8. Further Sadhakas shall follow with faith the enlightenment path of Lord Brahma and to be blessed with grace of transcendental Lord Shiv.
9. Following this path, one shall be melting one's mental block of reality of 4-sapce itself as well, and one shall be of consciousness based intelligence of format and values of transcendental domain (real 5-space).

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