

## **Mathematics Workshop on NCF (National Curriculum Framework)**

Organized by:

ASN Sr.Sec.School,

Date & Venue :

15<sup>th</sup> September'2012

ASN Sr.Sec.School, Mayur Vihar, Phase-I.

Attended by :

Ms Reena Shankar

Ms Savita

A Mathematics workshop was held on 15<sup>th</sup> September'2012 at ASN Sr.Sec.School, Mayur Vihar, Phase-I. Ms. Sonia Luthra, the Principal of ASN Sr. Sec. School took the initiative to call Mr. Hukum Singh, Dean (DESM), NCERT to talk about NCF and various activities which can be used for teaching of Mathematics. She herself being from Mathematics background discussed various activities like riddles, quiz, maths lab activities, number games using dice and flash cards etc. She took the pledge to improve the quality of Mathematics Education by making our teaching concept driven and not rote driven.

The workshop included two sessions. In Session-I Mr. Hukum Singh talked about various policies on Education starting from Kothari commission to the NCF-2005. Although he discussed various recommendation of NCF, he could explain it in just one line – Hands On – Minds On. His recommendations of NCF were to connect knowledge with daily life i.e the life outside the school; to ensure that learning is shifted from rote learning to understanding; to enrich the students for overall development i.e. Physical development, Intellectual development and Spiritual development; to make the examination more flexible through CCE, so that we observe the difficulty and immediately look for remedial. He then discussed about the vision that a mathematics teacher should have. He said that teaching of Mathematics should be through joyful means so that every child should talk about Mathematics. The teacher must explain the structure of Mathematics to the children and should also explain them the inter-connectivity of the various field. For eg – How Algebra is connected to Geometry, Geometry to Mensuration, Mensuration to Calculus and so on. Then he said that we must engage every child for learning Mathematics with the conviction that every child needs to learn and understand Mathematics. He quoted a very beautiful Sanskrit shloka –

***“Yatha shikha mayuranam, naganam manayo yatha, tadvedanga shastranam, ganitam nurdhni samsthita”***

which means that just as a peacock without feathers does not look beautiful and a serpent without a jewel known as Naagmani is not complete, so is the beauty of Science is incomplete without the accuracy of Ganita Shastra i.e. Mathematics which forms the foundation of everything.

In the Session-II, he discussed various models of Mathematics and asked the teachers, who were attending the workshop, to make different models. We made nets of various polyhedron and pyramid. He showed models based on various concepts from class – I to class – XII. We actually understood how hands-on experiences can lead to better understanding of any concept.

He very well concluded the workshop by giving a mantra – Heads On, Hands On, Hearts On. With this mantra in mind, we can surely make our country the Vishwa Guru again.