

Workshop Report on Skeleton System

Workshop objective

Children encounter the concept of human body, basically the Skeleton System very early, but cannot quite grasp them because of non-availability of good visual aids. This workshop is designed to explain these concepts using digital tools and reconstructable kits/models.

Agency

Media Lab Asia - Apne Haath Se group.

Venue

This workshop was carried out at Swami Vivekananda Vidyalaya, Lodhar, run by Jagriti, on Wednesday, 25th June 2003, from 10 a.m. to 4 p.m.

Participants

Fifteen teachers from various schools attended the workshop. We have adopted the idea of including the teachers so that they can impart the knowledge to a wide mast of teachers in a more effective manner. They were divided into groups of 5 members each for the period of the workshop,

Facilitators

A group of 7-10 members including faculty members of IITK, teachers of the Lodhar School and volunteers.

The Workshop Details

The first half of the workshop involved an animation of "Skeleton System". The various aspects of the above mentioned topic presented to the teachers included:

- ✍ Number of bones.
- ✍ Positions of the various bones.
- ✍ Their functions.
- ✍ Their significance and properties.
- ✍ Positions and functions of Joints.
- ✍ Concepts of muscles.

The Workshop

There were two parts to the workshop:

1. Computer animation followed by a discussion
2. Model building

Session 1: This was an interactive session. The groups were shown the animation, and M. K. Verma gave supplementary input about each of the phenomena. Some animations showed the various parts of the skeleton system and their functions and properties.



The animation was followed by a question-answer session in which the queries were solved. Wherever necessary, M.K.Verma clarified the teachers' doubts with the help of books and physical models of a real skeleton. Teachers were encouraged to ask questions about the topics covered.

Session 2: This post- lunch session of the workshop involved active participation of the teachers in constructing a working model of the different joints of the body.



Each group of teachers was given a set of material and instructions to carry out with their model.

The facilitators supplemented the efforts of the group if the need was felt for. This entire exercise took about two and a half hours. Each group demonstrated their working model.