

A REPORT OF REGIONAL SCIENCE CONGRESS

DATE:-18.11.2011 , JNV RATIBAD, BHOPAL

In the morning session Mr. Nagabhaskar PGT Bio Alirajpur interacted with the students and he gave introduction about DNA finger printing. After this Mr. Vijay Kumar TGT Maths presented some slides for amazing mind reader- a magic calculation. He asked a few questions which were based on simple principles. Children enjoyed solving the questions. Mrs.Ragini Bhatt PGT Bio. Show the presentation on life skills.

At about 9:30 a.m. we left for AMPRI (Advance material processing Research Institute which is situated at Hoshangabad road near M.P.Nagar. Mr. Vijay Verma of AMPRI divided the participant into 5 groups to visit micro fluid lab and mems centre , centralized materials characterization laboratory , metal composite lab, magnesium lab , fly ash and red mud gallery.

In the beginning the participants visited micro fluid & mems centre where Dr. Sunil K Sanghi and Ms. Subhi jamal explained various method and separation of elements in a compound. He explained how semi viscous liquid is converted in solid with the help of freezer dryer. The freezer dryer maintain a temperature of -54°c . Further he explained the working of Gas chromatography mass spectroscope. He further explained the chromatography. With the help of this device the separation can be done with great accuracy and the mass spectroscope is then used to identify the elements separated. In the same laboratory the students have seen confocal microscope with magnification of near about 2000X. This microscope uses laser. Ms Subhi Jamal of AMPRI explained the working of confocal microscope.

Then we went to Red mud and fly ash gallery, where different items were made from Red mud and fly ash. Their Mr. Giri Raj Mandoli explained the methodology how the waste such as Red mud and fly ash can be used fruitfully . Then the participants visited metal composite lab where the participants have seen hydraulic press. There they demonstrate how metal can be powdered.

Then the participants moved to centralized materials characterization laboratory where Dr. Varun Gupta explained the working and importance of various instruments. Here the participants have seen the various instruments such as micro Hardner tester, Hardner testing machine, simultaneous thermal Analyzer, Digital metallurgical microscope, High temperature Viscometer, High temperature motorized microscope, High temperature contact angle measuring device.

Finally the participants visited magnesium lab, where they have seen muffle furnace, melting furnace.

At about 4:00 p.m. the closing ceremony started with the lighting of lamp in front of goddess saraswati by the Chief guest Sh. S.K.Choubey (Chairman AISECT group of Institutions) and President of the ceremony Mr. H.V.Tiwari (Former Vice Chancellor Barkatullah University Bhopal), along with Mr.P.Chandrashekhar Reddy Assistant Commissioner NVS RO Bhopal. The venue Principal then presented a brief report of the entire Science Congress. The Chief guest and the president of the closing ceremony distributed prizes to the participants and escorts. A motivational speech was delivered by the chief guest and the president of the function. Finally Mr.P.Chandrashekhar Reddy Assistant Commissioner NVS RO Bhopal gave vote of thanks to the guests of ceremony and to all who contributed in Regional Science Congress.

The 8th Regional Science Congress 2011 was a grand success.