

AWIM Master Teacher Training Workshop 2012 (MTTP), Nasik



By - Saurabh Chitnavis

A World In Motion (AWIM), Master Teacher Training Workshop 2012 for JetToy & Skimmer was conducted at CCF hall, Mahindra & Mahindra Ltd., Plant-I, Nasik on Saturday 7th July 2012 by Saurabh Chitnavis supported by the team.

This was the 6th MTTP from 2008, since AWIM was introduced in Nasik. 32 teachers from 22 Nashik schools participated in the MTTP along with 30 M&M volunteers in the workshop.

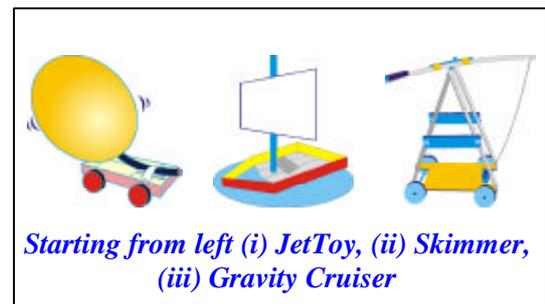


Saraswati Poojan by Sharavari Shitole and Sarth Dandekar representing 2009 & 2010 National Champions respectively, Dr. Avinash Khopkar & Mr. Mahendra Bhamare

Following the Rise principle of Mahindra & Mahindra, two new AWIM challenges will be introduced in the schools of Nasik by M&M this year, *Skimmer (5th std) & Gravity Cruiser (7th std)* along with the *JetToy (6th Std)* which is already being practiced in 14 cities across India.



Nasik is the *first city in India* who has introduced *Skimmer*. *Gravity Cruiser* is scheduled to be introduced in August 2012 to Nasik schools which also happens to be *first city in India* to do so.



A World in Motion (AWIM) - The Design Experience, is a dynamic curriculum focusing on the engineering design process for physical science classes.

AWIM is a teacher administered, industry volunteer assisted program that brings Science, Technology, Engineering and Math (STEM) education to life in the classroom for students. Developed by SAE International in 1990, AWIM aims to promote science and mathematics literacy of students in standard fifth through eight by providing curriculum materials for authentic engineering design activities in the classroom that support a multidisciplinary, co-operative working experience.



“Volunteer & Teachers” engrossed in the classroom sessions.



Master trainer - Mr. Saurabh Chitnavis

Teachers along with *M&M* volunteers wholeheartedly participated in the training, in their Quest to learn more about the JetToy Car & Skimmer.

Enabling them to come close to the students and satisfy the overall goals of AWIM.



Volunteers & Teachers participated in the workshop by designing JetToy & Skimmer.

JetToy Challenge :

This challenge consists of a balloon powered toy cars that meet specific performance criteria like distance traveled, weight carried, accuracy, and speed. The core scientific concepts explore in this challenge are Jet propulsion, friction, air resistance, and car design.



Skimmer Challenge :

This Challenge is designed to understand the effects of different sail shapes, sizes, and construction methods to meet specific performance criteria of the paper sailboats and test. Friction, forces, the effect of surface area and design are some of the physical phenomena encounter during training.



Testing the JetToy - Fun & Enjoyment

.....enjoying the testing of Skimmer.

After the classroom and practical sessions the teachers & volunteers validated their creation by testing and understanding the scientific concepts for JetToy & Skimmer as explained in the classroom.

The toy testing was one of the most interesting and enjoyable part of the training session as the participants became a child once again.



The participants were also asked to give a Presentation explaining their Team Name, Logo, Slogan & the Vehicle specifications. They also had to face Questions from the Trainer & other AWIM volunteers. This same as the students face during the Q&A session during the regional & National events.



The doubts of teachers & volunteers were answered by the Trainer at the end of the session.

The workshop made teachers experience the real meaning of the old proverb which says,

*“Tell me and I’ll forget....
Show me and I’ll remember...
Involve me and I’ll learn”*



We all stand committed to the cause