



“AWIM Master Teacher Training (MTTP) Workshop 2011”

The Design Experience

By - Saurabh Chitnavis

“AWIM Master Teacher Training Workshop 2011” was conducted at **R&D Ambad Annex, Nasik on Saturday, 6th August 2010** from 8:30am to 5:30pm. **Twenty one teachers** of Nashik schools participated along with **Mahindra & Mahindra volunteers** in the workshop.

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

A World in Motion (AWIM) is a physical science program, developed by SAE International in 1990, which 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, cooperative working experience.



“Volunteer & Teachers” engrossed in the classroom sessions of the Workshop.

Teachers of **21 schools** along with **20 M&M** volunteers wholeheartedly participated in the “**Master Teacher Training Workshop 2011**” in their Quest to learn more about the “**JetToy Car**”, so as to enable them to come close to the **6th standard students** and satisfy the overall goals of AWIM which are,

- **Increase Inquiry, Reasoning and creativity**
- **Promote science literacy**
- **Increase interest in science, math, and technology education**
- **Foster curiosity and creativity**
- **Encourage a spirit of healthy questioning through the discovery process**
- **Provide opportunities for physical science experiences**
- **Emphasize cooperative learning (teamwork)**

The Training was conducted by **Mr. Saurabh V Chitnavis (Coordinator – AWIM Nasik)**, with the support of AWIM members (i) **Arun Jalali**, (ii) **Harikumar Nair** (iii) **S Srikant** & (iv) **Padmesh Sewda**. (v) **Shailesh V Kulkarni**.



Master Trainer, explaining the concepts of AWIM to the Participants.

The Volunteers & Teachers actively participated in the workshop, to design an appealing toy that performs in a specific



way, such as travels far, carries weight, or goes fast, crafted with their own hand. Teachers experimented with different chassis designs and nozzle sizes to determine their effect on the JetToy's performance. The scientific concepts like Jet propulsion, friction, and air resistance were explored by the Teachers & volunteers.



Volunteers & Teachers... at Work, building & enjoying the JetToy challenge.

AWIM Training was not only confined to the learning & making of the JetToy but the volunteers & Teachers were also involved in the Toy car testing and understanding the reasons behind in correlation to the science concepts explained in the classroom.



Testing the JetToy - FUN & Enjoyment

After all the learning Designing & testing of the JetToy the Teachers & the Volunteers gave the Presentations explaining their Team Name, Logo,



Slogan & the Vehicle specifications. They also faced the Questions of the Trainer & other AWIM volunteers as in the AWIM Olympics.



The Doubts of teachers & volunteers were answered by the Trainer & AWIM team members.

All the facts like the Do's & Dont's, the care that should be taken while making the car along with the concepts like Force, Friction, Air Resistance, Kinetic Energy, etc. were explained in an interactive session giving proper examples relating to the JetToy.





Glimpses of the MTTP Workshop..... Teachers & the Industry Volunteers enjoying Designing & Making of JetToy, bringing out the Child within them.



The details of the participating schools are as follows:

Sr.No.	School Name	Teachers Name	Contact Number
1	M.S.Kothari Academy	1) Mrs Savita A. Pagare	963 7522562
		2) Mrs Dhama Shree M. Kulkarni	9822054974
2	Anrasaheb Vaishampyan Vidyalaya	1) Mr. Somar Sadeep Nimba	9226997449
		2) Ms Palve Shivdas Nathuji	9527138439
3	Sau. Indumati Bhalkhandra Joshi Primary School	1) Mrs Chaudhari Chaya S.	8888127669
		2) Mr. Wakchaure B.P.	9860424131
4	Vidya Prabodhiri Prashala (English)	1) Ms Manasi Sagar	9960332178
		2) Ms Sonali G. Akolkar	9209611642
5	Vidya Prabodhiri Prashala (Marathi)		
6	Wisdom High International School	1) Mrs Anuttama Pandit	9225124775 7385238861
		2) Mrs Rupali Barode	7385238861
7	Adarsha Madhyamik Vidyalay	1) Mrs Anjali Rajiv Thoke	9371523598 (0501133)
		2) Ms Swati Raghunath Khade	9527975898
8	Ashoka Universal School, Chandsi	1) Ms Manisha P. Jadhav	963 73 75884
9	Ashoka Universal School, Wadala	4) Mr. Ajay Kshirsagar	
		2) Mr. Vijay Deore 3) Mr. Dilip Thakur	
10	Nashik Cambridge School	1) Mr. Shahrukh Dinyarian	798894199
		2) Mr. Sridhar Naidu	9960908451
11	Ryan International School	1) Mrs Harjeet Sood	9423085355
		2) Mrs Madhuri Gite	9881779758
12	Rachna Vidyalaya	1) Mrs Kirti Gaikwad	9922438098
13	Horizon Academy-ICSC	1) Mrs Anjali Meshram	9325472546
		2) Mrs Shalaka Wad	8600103960
14	Horizon Academy-SSC	1) Mrs Preshita Nikam	9423971657
		2) Jyothi Kamath	9860755097



Sr.No.	SchoolName	TeachersName	Contact Number
15	R.N.Jju M.Vidyalaya	1) Mr.Nikam Yuvraj Laxman	
		2) Mrs.Rumale Swati Sharad	9762169246
		3) Mrs.Kathe Pallavi Shrinivas	9822502375
16	St.Francis High School	1) Mrs.Pooja Patil	9021708463
		2) Mrs.Prabjyot Choudhary	9503155835
17	Boys Town Public School	1) Mrs.Neeta amish Thakkar	9850760067
		2) Mr.Parag Rarade	9860255020
18	Aadarsh Secondary Eng.M. School	1) Ms.Pooram Sonar	8055656470
		2) Sunita Pagar	9403148744
19	Adarsha Madhyamik Vidyalaya	Mrs Anjalee Rajiv Thoke	0253-0501133 9371523598
		Mrs Swati Raghunath Khade	9527975898
20	Kilbil St. Joseph's High School	1) Ms.Niha B.Patel	9422768978
		2) Ms.Gayatri Bahare	9421501100
21	New Rachna Vidyalaya	1) Mrs. Dari	9762174654
---	Yash Foundation-NGO-HIV AIDS	1) Vinod Kundlik Ghodke	7208399454
		2) Mamta Ashok Jadhav	9225817628

Total 43 Teachers from 21 Schools participated along with 20 industry volunteers and two volunteers from the "Yash foundation" which is an NGO for HIV. (Cumulative time – 603 Hrs.)



We All Stand Committed to a cause –Team AWIM 2011 at the "Master Teacher Training Workshop 2011"