



AWIM Master Teacher Training (MTTP) Workshop 2011

The Design Experience

By – Husain Kanchwala

“AWIM Master Teacher Training Workshop 2011” was conducted at **EDC (Employee Dev Centre) Kandivli on 20th August 2011.** from 8:30am to 5:30pm. **Fifteen teachers** of Mumbai schools participated in the workshop along with **Mahindra & Mahindra volunteers.**

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 eighth by providing curriculum materials for authentic engineering design activities in the classroom that support a multidisciplinary, cooperative working experience.

Teachers of **10 schools** along with **10 M&M Volunteers** wholeheartedly participated in the “**Master Teacher Training Workshop 2011**” in their Quest to learn more about the “**Jet Toy Car**”, so as to enable them to come Close to the **6th standard students** and satisfy the overall goals of AWIM which are,

- Promote science literacy
- Increase Inquiry, Reasoning & Creativity
- 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) **Nilesh Baikar**, (ii) **Husain Kanchwala** (iii) **Parth Wandrekar** &(v) **Shailesh V Kulkarni**.



Lighting the Lamp for the auspicious occasion

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

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



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

Teachers & Volunteers at work

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



Mr. Someshkar from AS Kandivli greeting Mr. Chitnavis (Master Trainer)

AWIM Training was not only confined to the learning & making of the Jet Toy but all the volunteers & teachers were also involved in the Toy car testing and understanding various reasons behind in correlation to the science concepts explained in the classroom. The motive behind this program was to bring the engineering concepts upto root level & so that the teachers can provoke curiosity among students right from their middle school education.





Presentation Round & Testing the Jet Toy - FUN & Enjoyment

After all the learning designing & testing of the Jet toy the teachers & the volunteers gave presentations in which their objective was to show their vehicle to a buyer & to satisfy him to buy it by telling its technical details. They have to also exhibited their company name, Product name & Logo.



They also faced questions of the Trainer, AWIM volunteers & other participants.



The doubts of teachers & volunteers were cleared by the Trainer & AWIM team members.

All the facts like the Do's & Don't's, the care that should be taken while making the car were explained in detail by **Mr. Saurabh & Mr. Shailesh**.

Along with this they have also thrown some light on how to interact with children & how to un-complicate information for a child. They also emphasized on the philosophy of learning by doing.

The technical concepts like Force, Friction, Air Resistance, Potential Energy, Kinetic Energy, etc. were explained in an interactive science notes session given by **Parth Wandrekar & Husain Kanchwala**, in which proper examples relating to the Jet Toy were explained in detail.



Teachers & the Industry Volunteers enjoying Designing & Making of Jet Toy, bringing out the Child within them



A Glimpse of the programme...



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



The details of the participating schools are as follows:

Sr No.	Name of School	Teacher's Name	Contact No.	E-mail Address
1	Umat Nagar's school No. 2	Tanahji Karbhari Ghage	9821804963	
			9323720283	
2	Pavani Public School	Jignesh Valera		
3	Thakur Vidyamandir	Mrs. Manita Dave	9869198570	Contact@tvmumbai.in
		M. r. Amey Jagtap	9820331422	manitadave@yahoo.com
4	Abhinav's school	M. r. Mahesh Kumar Vasave	9960248443	anarathimadhymico@yahoo.in
			022- 28973935	-
5	Chogale's school	Ashok Kumar B. Patel	9987149054	ashokpatel48@yahoo.in
		M. ahesh K. Waghmare	9619448043	-
6	Mahindra Academy	Mrs. Nikita Gupte	9867881662	nikitagupte25@gmail.com
7	Swami Vivekananda School	Mrs. Vinita .	28010311	sviskandvali@yahoo.com
		Mrs. Zankhanal .	28010316	-
8	Santallagar Marathi School			
9	Santallagar English School			
10	GHS school	Rasik Mer	8108813323	rasikmer@rediffmail.com
		Jyoti Kapadia	9324011125	-