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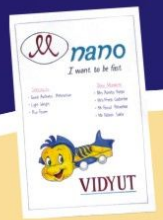
Event open to children & parents with nominal entry fee of Rs.10/-



A World In Motion is a wonderful opportunity for engineers and scientists alike to help students discover the exciting world of science, and how it applies to real life. As an AWIM volunteer you can play an important role in encouraging students to consider science-related and technical careers and help develop future generations.
Your involvement in AWIM could open a window of opportunity for children in your community.

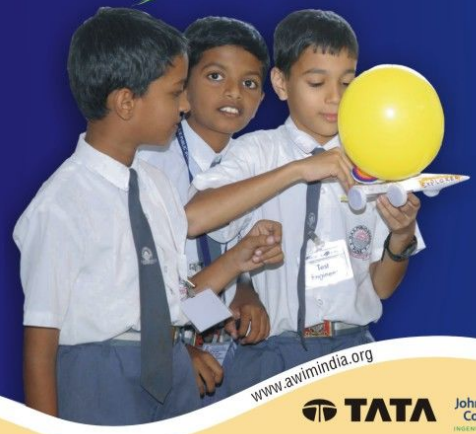
SAEINDIA The Engineering Society For Advancing Mobility Land Sea Air and Space
SAE international
FOUNDATION

A WORLD IN MOTION

Participate • Teach • Volunteer • Sponsor

Fun, Fantastic and FREE!

Helping teachers bring maths and science to life



www.awimindia.org

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Johnson Controls
INGENUITY WELCOME

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Mahindra
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EATON

Expand your curriculum and bring math and science to life for your students through this standards-based, highly interactive fun program- and at no cost. Through volunteer engineers and scientists, A World In Motion (AWIM) will open a window of possibilities for your students as they discover the exiting application of science principles right in the class room.

The AWIM curriculum joins together teachers and volunteer engineers and scientists to engage students in grades 5-9. AWIM blends maths and science while incorporating the laws of physics, motion, flight and electronics into age- appropriate Challenges. Each challenge is designed to reinforce classroom STEM curriculum.

When you participate in the AWIM program you are helping to prepare students for the challenges of tomorrow through personal discovery. As the teacher who provides information about exciting, science-related careers - you are playing an important role in the development of future engineers and scientists.

What is AWIM?

AWIM means Fun & Challenge. These are the two main ingredients in our innovative, hands-on, physical science curriculum. Designed by the Society of Automotive Engineers (SAE International, USA), AWIM curriculum joins together teachers, students and volunteer practicing engineers and scientists in an exploration of physical science. AWIM program comprises of a series of four curricula referred to as Challenges for students in standards 5th - 9th. The students are provided with a kit containing raw materials to build toys. They are taught to design, build them and experiment with them. In this process, students explore science, engineering and design. Each toy is a challenge covering different automotive aspects.

Why is AWIM Unique?

- Brings maths, science & technology principles together.
- Utilizes highly interactive learning experiences.
- Incorporates the laws of physics, motion, flight & electronics.

The Engineering Design Experience:

- Set Goals
- Build Knowledge
- Design
- Build and Test
- Decorate
- Present

Jet Toy Challenge

Students make balloon-powered toy cars that meet specific performance criteria; travels far, carries weight, or goes fast.

Jet propulsion, friction, air resistance and design are the core scientific concepts students explore in this challenge.

Event open to children, parents & teachers with nominal entry fee of Rs.10/-

Tentative Dates:

Northern section 24th Oct 2009
Southern Section 24th Oct 2009
Mumbai 7th Nov 2009
Indore 7th Nov 2009
Pune 8th Nov 2009
Nashik 1st Nov 2009
Chakan 25th Oct 2009

AWIM National Olympics: 14th Nov 2009
Venue: Shri Shiv Chhatrapati Sports Complex, Balewadi, Pune
AWIM International Olympics in The USA: April 2010

Prizes and Awards

1st Prize 10000/-
2nd Prize 7000/-
3rd Prize 5000/-

Additionally, there are prizes for various individual events such as distance, payload, speed, accuracy, time, aesthetics, presentation and lots more ...

Rules & Regulations

1. Three teams per city will make it to the National Olympics 2009
2. A maximum of one team per school, consisting of 4 students, is allowed
3. At least one teacher should accompany the team
4. Jet Toy vehicles in the competition must be constructed on site the day of the event using only materials supplied in an official A World In Motion Jet Toy kit, which will be readily available on site
5. Teams may build multiple JetToy vehicles to use in different events. Design teams can use only one balloon motor per vehicle. Different nozzle sizes can be used for different events. No propulsion system besides the JetToy balloons and nozzles can be used
6. Teams will be given two trials during the competitions. All teams will be given a specific amount of time to complete their trials. Any trials that are not finished during the allotted time will be forfeited by the team
7. Every team is required to prepare a design presentation which will also contribute to the teams' overall scores