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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 careers related to science and technical field and help develop future generations. Your involvement in AWIM could open a window of opportunities for children.

Help Unlock the potential in every child...

Organising Committee:

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AWIM National Olympics 2010

National Champions 2009

Fun,
Challenge,
Team Work
& Leadership

A WORLD IN MOTION.
Bringing Design Experience into the Class Room

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

The AWIM curriculum joins together teachers, volunteer, engineers and scientists to engage student of grades 5-9, AWIM blends math and science while incorporating the laws of Physics, Motion, Flight and Electronics into age appropriate challenges. Each challenge is designed to reinforce class-room, STEM curriculum.

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

What is AWIM?

AWIM means fun & challenge, these are the main ingredients in our innovative hands-on Physical science curriculum. Designed by the Society of Automotive Engineers (SAE international, USA). AWIM curriculum join together teachers, students, volunteers, practicing engineers and scientists in an exploration of physical science. AWIM program comprises of a series of four curricula referred to as challenge for students in standard 5th-9th. The students are provided with a kit containing raw material to build a toy. They are taught to design, build them and experiment with them. In this process, student explore science, engineering and design. Each toy is a Challenge covering different Automotive aspects.

Why AWIM is Unique?

Brings math, science & technology principles together.

Utilizes highly interactive learning experiences.

Incorporates the laws of physics, motion, flight & electronics.

3rd AWIM National Olympics : 09th Jan 2011

Venue : Nakshtna Lawn, Pipeline Road, Near Anandwadi,
Gangapur Road, Nashik-422013.

The Winners of National Olympics will get a chance to participate in "Jet Toy Olympics", Detroit, USA April 2011

Award Categories :

Sr. No.	Description	Amount
1	NATIONAL OVERALL: WINNER	₹ 10000
2	NATIONAL OVERALL 1ST RUNNERS UP	₹ 7000
3	NATIONAL OVERALL 2ND RUNNERS UP	₹ 5000
4	WINNER: MAX DISTANCE	₹ 1000
5	WINNER: MAX SPEED	₹ 1000
6	WINNER: MINIMUM TIME	₹ 1000
7	WINNER: MAX WEIGHT	₹ 1000
8	WINNER: ACCURACY	₹ 1000
9	AESTHETICS	-----
10	BEST PRESENTATION	-----
11	BEST TEAMWORK	-----
12	CLEANLINESS	-----
13	SPORTSMANSHIP	-----
14	BEST RURAL TEAM	-----

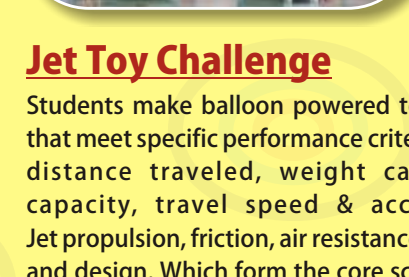
Besides the cash prize all the winners will get Trophies & Certificates for their achievements

Rules & Regulations

- Three teams per city will make it to the 3rd National Olympics, Nashik.
- At least one teacher should accompany the team.
- Jet toy vehicles in the competition must be constructed on site, on the day of the event using only materials supplied in an official "A World In Motion" Jet Toy kit, which will be readily available at the venue.
- Teams may build multiple Jet Toy 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 Jet Toy balloons and nozzles are allowed.
- Teams will be given three trials during the competition. All teams will be given a specific time to complete their trials. Any trials that are not finished during the allotted time, will be forfeited.
- Every team is required to prepare a design presentation which will also contribute to the team's overall score.
- The Judge's decision will be final.

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 like distance traveled, weight carrying capacity, travel speed & accuracy. Jet propulsion, friction, air resistance, force and design. Which form the core scientific concepts, the students explore in this challenge.

Jet Toy Challenge

National Champions 2008

