**Expand** your curriculum and bring maths and science to life for your students through this standards-based, highly interactive fun program and after school. Through an array of engineering and science activities, a student in motion (CAFé) will open a window of possibilities for your students as they discover the exiting application of science principles right in the classroom.

The AWIM curriculum joins together teachers and volunteer engineers and scientists to engage students in grades 5-9. AWIM teaches maths and science while incorporating the laws of physics, motion, flight and electronics into age-appropriate Challenges. Each challenge is designed to revivitise 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 (SME International, USA), AWIM curriculum joins together teachers, students and volunteer engineering teams to create a revolutionary experience of physical science. AWIM program comprises of a series of four challenges intended to:

- 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 and experiment with them. As the process, students explore science, engineering and design. Each toy is a challenge covering different automotive aspects.

**Why is AWIM Unique?**

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

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**Jet Toy Challenge**

Students make balloon-powered toy cars that meet specific performance criteria, travels fur, comes weight, or goes fast.

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

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**Rules & Regulations**

1. Teams are to submit forms to the National Office, 2009
2. A maximum of five teams per school, maximum of six students, is allowed
3. At least one teacher should accompany the team.
4. The venue of the competition shall be constituted on the day of the event or as the entrants report on the official Arianet in Maharashtra, Jet Toy Kit, which will be readily available on site.
5. Each team must have a vehicle to be tested in different events. Design team can use one or two balloon cars or one vehicle. Different vehicles can be used for different events. No propulsion system except the lifting balloons and rockets can be used.
6. The event will be sponsored by the Indian government.
7. Teams are not to give their cars during the competition. All teams will have the same specific amount of items to complete their tasks. Any hold that is not followed during the allotted time will be deducted from the team.

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**Prizes & Awards**

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

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**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 Shree Chhatrapati Sports Complex, Balewadi, Pune

**AWIM International Olympics The USA:** April 2010

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