

About “The Career Makers”

The Career Makers, Karnal was established in year 2002 and working in the fields of Mathematics, Science, Electronics, Computers and General Aptitude. The institute provides quality education & training in various subjects listed above in Basic as well as in Applied form. Students are also prepared & trained for various competitive exams of all levels in which mathematics and general aptitude is tested.

Students of every age group are getting benefits of a special branch of mathematics called “Vedic Mathematics” at The Career Makers. Vedic Mathematics is ancient Indian system using which students can perform any calculation with 10 times speed and 100% accuracy. We have also organized over more than 1000 seminars & workshops in various schools, colleges & universities across North India on Vedic Mathematics in which over more than 100000 students & teachers got benefited and also they are successfully applying this system.

Practical trainings are also imparted in Mathematics & Electronics. Model Making, Logical Thinking, Coding & various practical trainings are also provided.

We are also working as “Training Partner” with “Antrix Studies Private Limited , Kurukshetra “. At “Antrix Studies Private Limited , Kurukshetra “ , we are providing specially designed training programmes in fields Robotics , Satellites , Drones , Solar Energy , Space Science , Other Renewable Energies and Vedic Mathematics.

About “Antrix Studies Private Limited”

Antrix Studies Private Limited is located at Holy city Kurukshetra. The institute provides opportunities , guidance and complete assistance to the students who are interested in visiting the Space Camps organized by Space Agencies of various countries. The whole process of guidance to registration in space academies to visa to visit to space camp training to certification to return to parent country is taken care by Antrix Studies Private Limited , Kurukshetra .

About the Joint Venture

The joint venture of The Career Makers and Antrix Studies Private Limited strives to provide the students of our country with the information , guidance and counselling towards various career options to which almost no student is aware of. Some of these fields are Robotics , Satellites , Drones , Solar Energy , Space Science , Other Renewable Energies and Vedic Mathematics.

If the students got properly aware of the career options in the above listed fields , they can prepare and plan for their career in that direction in early and suitable age.

Also if they join space camp or participate in any quiz competitions , they will get complete exposure and better knowledge of these advanced technological fields.

About Founder, Director of The Career Makers

Mr. Sunant Grover is founder ,director of The Career Makers. He is post graduate in Mathematics. He is working as Educationist, Career Counsellor , Vedic Maths Trainer and Author since last 23 years. His major areas of teaching are Mathematics (Basic & Applied) , Electronics (Basic & Applied) , Computers , Vedic Mathematics (Elementary & Advanced).

The basic idea of education and training is to impart the trainings in various subjects such that students can easily co-relate their academic studies to realistic projects which they face in their daily life. In this way students take more interest in their academic studies and their concepts about various subjects get clearer.

Also he provides Career Counselling Sessions in which personal as well as psychometric approaches are followed. These career counselling sessions provide the students to choose their “ Career by Choice and Not by Chance “. Students can get a clear cut idea about their Aptitude ,

Abilities & Interests which helps them select their career option in a scientific manner.

Another area of his working is Vedic Mathematics which is taught to students of every age group ranging from school level to university level. More than One Lakh students & trainers have learned this system in seminars and workshops organized by him.

Apart from Education and Trainings Mr. Sunant Grover is Organic Agriculturist ,Vaastu Trainer & Consultant and Environment Enthusiast.

About Training Programme

We at The Career Makers have developed a Special Training Programme for school students. This programme intends to provide Space Science & Technology education and Practical Training to the students. In this programme various topics related to Space Science & Technology will be covered which are

1. Space Science & Missions
2. Satellites
3. Drones
4. Robotics
5. Solar Energy
6. Other Renewable Energies
7. Vedic Mathematics.

By joining this programme , students will get detailed knowledge of all the above listed fields.

Both practical and theory sessions will be provided to the students.

Approximate ratio of practical to theory sessions will be 2 : 1 of total duration throughout the programme.

Students will learn to make and move their own Robots , Drones & Solar Projects in the practical training sessions. Basic concepts of all the practicals are covered in theory sessions.

All the students will be provided with Study Materials / Books and Practical Training Apparatus & Devices. Total duration of the programme will be 75 Hours (Approx.) for each participating student.

About the Topics Covered in Training Programme

1. Space Science & Missions

In this module students will get complete knowledge of various space missions sent by various countries . They will also get the knowledge



about their purpose,technology used in propulsion and other aspects about the space missions .They will also have the knowledge about purpose and working of “ International Space Station (ISS)”.

2. Satellites

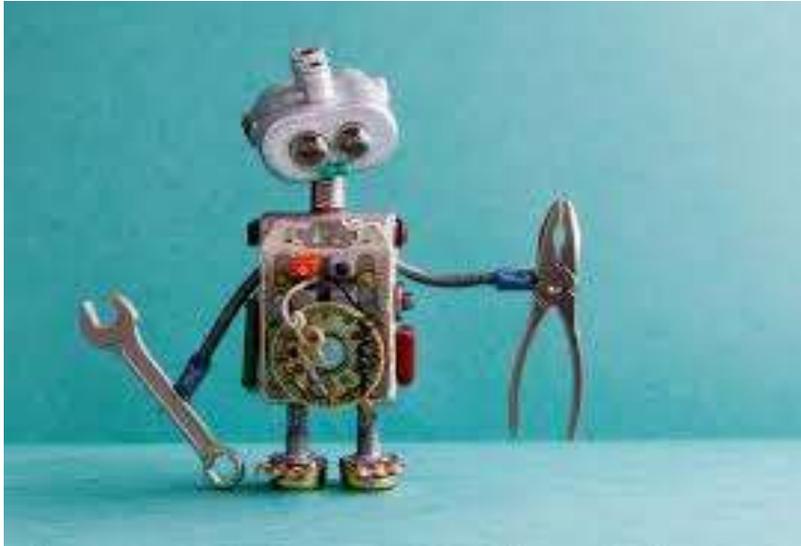
In this module students will know about various types of natural and artificial satellites. This module will include the types of Artificial Satellites , their purpose and their design.



This module will include the launching techniques of satellites according to the orbit of Earth in which it has to be placed. Also they will learn about Anti-Satellites (A-SATS) ,the target in space technology India has recently achieved

3. Robotics

This module provides the students with basic concepts of robotics as well as practical sessions on robotics. The students will learn how the robots work and how they carry out their intended purpose.



Also they will try their hands in making and moving their own robots. The students will get an idea of various types of robots, their purpose and their design.

4. Drones

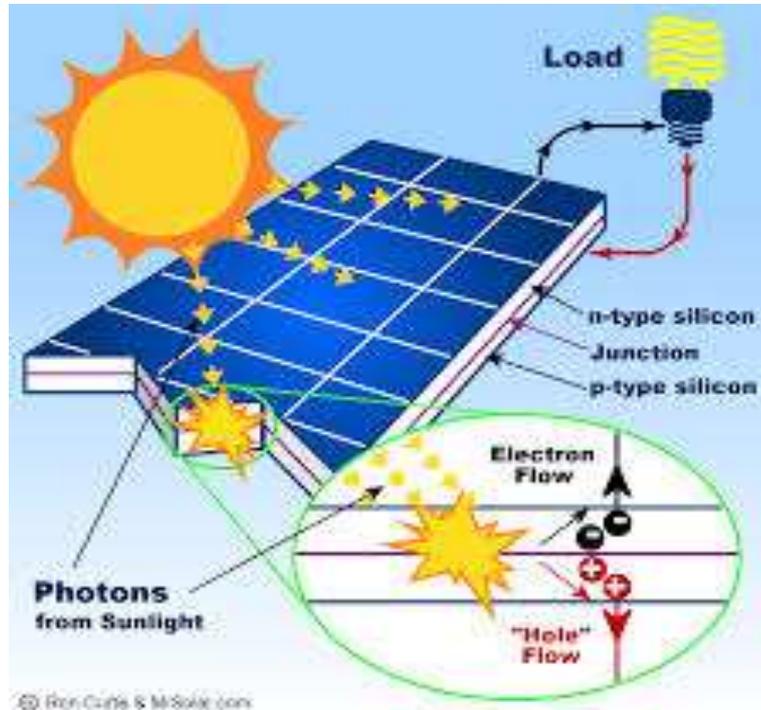
In this module students will get basic concept of drones and how they differ from other flying machines. They will learn the purpose, design



and working of drones. Practical Sessions are also provided in this module so that students will get clear cut idea of all aspects of drones.

5. Solar Energy

In this module students will learn basic concepts of solar energy & solar energy powered devices. They will learn how direct solar energy



and how passive solar energy is stored and used to power solar devices. Also students will work on their own solar powered projects and will get exposure to the concept that how they can use solar energy to fulfil various energy requirements in their daily life. They will also learn about working of Photo-electric solar panels.

6. Other Renewable Forms of Energies

This module will provide the students with the clear idea of various other sources of renewable energies like Wind Energy , Hydro Energy, Wave Energy etc. And how they are in various countries to meet with

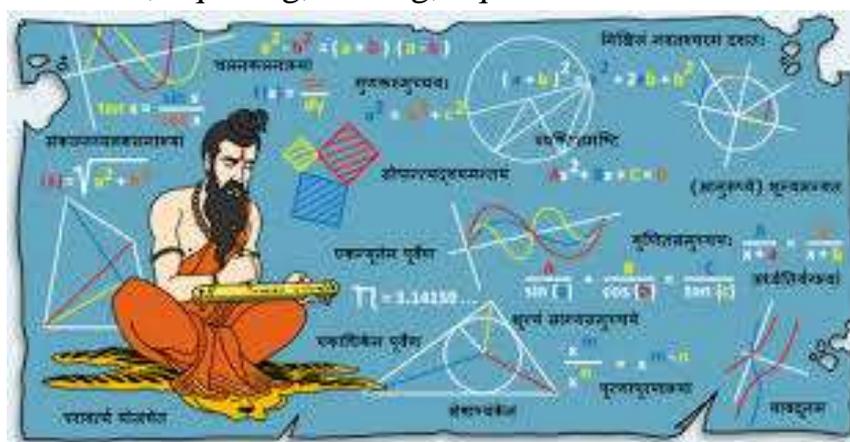
their energy requirements with clean sources of energy without



polluting environment any more. In this module students will also know about the importance of protection of environment by taking small steps in their daily life, by water conservation, power conservation etc.

7. Vedic Mathematics

This module is based on various Sutras & Sub-Sutras of Vedic Mathematics. This system is ancient Indian system taken from “Atharva-Veda”. Students will learn to make calculations in such a way that their calculation speed becomes 10 times faster and accuracy almost 100%. For example average time taken per calculation is just 5 seconds. In this module students will learn to carry out Multiplications Divisions, Squaring, Cubing, Square Roots and Cube Roots etc.



The formulas included in this module are as follows:-

- By One More Than Prior (Multiplication, Division, Squaring)
- All From 9 , Last From 10 (Multiplication)
- By Deficiency or Surplus (Squaring)

- By One Less Than Prior (Multiplication)
- Multiplication By 11 (Multiplication)
- By Ratio (Squaring)
- By Ratio (Cubing)
- Vertically and Crosswise (Multiplication)
- Duplex Method (Squaring)
- By Observation (Square Roots)
- By Observation (Cube Roots)
- All From 9 , Last From 10 (Division)

Using the above listed Sutras and practicing them ,any student can make each and every calculation in very easy and interesting way without any fear of mistakes.

Industrial & Other Visits

Students may be taken to industrial visit to Solar Manufacturing Plant where they will get exposure to the manufacturing process of solar units , solar panels, photoelectric plates etc. They will get to know about the assembly line of complete manufacturing process.

Also they may visit various Science Museums, Planetariums across the country and abroad. At these places the students will get exposure of science & technology sector and space related concepts.

Schedule of Programme

- Duration 6 Months
- Mode 1 Day/ Week
- Hours 3 Hours/Day per Batch

Aftermath of Programme

A test will be conducted for all the participating students on the basis of training. All the students will be provided with the Certificates of successfully completing all the modules (Practical & Theory). Those students who got distinction in the test will get Medals & other Accolades.

The Final Session

After the Award Distribution Ceremony all the students will be counselled and encouraged to visit and attend the Space Training Programmes at the Space Academies of Space Agencies of various countries.

Also they will be encouraged to participate in various national and international Qui Competitions based on their training. And if they successfully complete their space training programme or get any reward in any Quiz Competition, it will be a great achievement for the students, the school and our team.

Benefits of Programme for Students

Students will get benefitted in various ways by joining this programme:-

- Enhanced mindset towards Science, Mathematics and Technology
- Exposure to practical training in Robotics, Drones & Solar Projects
- Practical Training of Formulae of Vedic Mathematics
- Speed of calculations increased by 10 times and accuracy 100%
- Phobia of mathematics gone forever
- Got a clear cut idea of career options available in space science
- Training sessions at their door step
- Get a chance to participate in Science Quiz at International level
- Get a chance to join Space Camps at International level
- Get certified for each module of programme .

Benefits of Programme for School

School will get benefitted by this programme in various ways :-

- Provide your students the full exposure to Science & Technology
- Become the first & prominent name in imparting advanced training in your region
- Get Internationally renowned name if your students participate in space camps or get rewarded in any Quiz
- Add another Feather in the Cap of your Esteemed institution.

