



Indus Center for Academic Excellence
18239 W 12 Mile Road
Lathrup Village, Michigan 48076
(248) 641-9815; (248) 559-5214
Cell: (248) 210-6292; Fax: (248) 641-3789
e-mail: rkhetan@sbcglobal.net
homepage: www.icae.org

SPRING 2012 Registration

INDUS CENTER FOR ACADEMIC EXCELLENCE (ICAE) welcomes its students and parents to the ten-week long Spring 2012 session. Please mark the following dates on your calendar (Please check our website www.icae.org for additional information, updates and schedule changes):

- **February 22, 2012** **Advanced Registration Deadline for Spring 2012**
- **February 26, 2012** **End of the Winter 2012 Session.**
- **March 3 & 4, 2012** **Open Registration and Placement Tests for Spring 2012**
- **March 6, 2012** **Make Up Placement Tests for Spring 2012**
- **March 10, 2012** **Beginning of Spring 2012 Classes**
- **March 18, 2012** **Spring 2012 Deadline to Drop Out**
- **Mar 31, 2012** **17th Annual ICAE Banquet**
- **March 31 & April 1** **No ICAE Classes – Banquet Break**
- **April 7 & April 8** **Easter Break – No classes**
- **May 26 & 27, 2012** **Memorial Day Break**
- **June 3, 2012** **End of the Spring 2012 Session.**
- **June 6, 2012** **Awards Ceremony**
- **June 27, 2012** **Advanced Registration Deadline for Summer 2012**
- **July 7, 2012** **Open Registration and Placement Tests for Summer 2012**
- **July 10, 2012** **Make Up Placement Tests for Summer 2012**
- **July 14, 2012** **Beginning of Summer 2012 Classes**
- **August 11, 2012** **End of the Summer 2012 Session.**

We expect a big turnout for the Spring Session. Many of the ICAE classes may get filled even before the open registration day. We will try to accommodate all students either by splitting the current classes or by adding additional classes. We need your quick response to decide about the classes to be offered.

ICAE will like everyone to take advantage of advance registration. **A discount of \$20/class will be given for the online registrations if receive the payments by February 22, 2012. If you decide to drop out, you must inform us by March 18 through e-mail (rkhetan@sbcglobal.net) to get the refund.** We want all our students and parents to be satisfied with ICAE and treat it as their own organization. Parents, dissatisfied with ICAE goals and offerings, may pull their students out of ICAE at any time and ask for a refund for the current session.



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Registration Procedure

1. All students must first register online at our website www.icae.org.
2. **New students:** Please select Registration/Student page on the website and fill in your personal information. You will select your own user-id and password. Select Spring 2012 term and the classes you want to register for (Math students: please stick to the guidelines shown below).
3. **Returning students:** Login with your own user-id and password. Select Registration/Placement Test page, verify your personal information and sign up for the classes you want to attend.

Guidelines for Mathematical Problem Solving Classes

<u>New Students</u>		<u>Returning Students</u>	
<u>Current Grade</u>	<u>Suggested Sign Up Class</u>	<u>Current Grade</u>	<u>Suggested Sign Up Class</u>
3 - 5	Math IA1	3-5	Current Level
6 - 8	Math IIA1	6-8	Current Level
9 - 12	Math IIIA	9-12	Current Level

4. **All Students:** Complete the online registration form, print the payment voucher (you can also use the optional registration form included in the registration package) and mail it to ICAE along with your payment.
5. **Students will be approved for placement testing** after we have received the payment along with the voucher. You will also receive e-mail to this effect. Please make sure that your email address in the system is correct.
6. Volunteering in one of many activities is a requirement for attending classes at ICAE. You must select one or more volunteering activities before submitting your registration. All ICAE family members are expected to support ICAE either with their time or with their money, just like many other parents who are already supporting ICAE.
7. Once approved, you should go to the ICAE website and the print your **Admit Card** (Students/Admit Card page) and bring it to ICAE for placement testing on the day and time shown on the Admit Card.
8. **Please mark schedule change requests, if any, on the Admit Card.**
9. Your placement test scores will be posted on the web within 48 hours after the placement testing. Check your scores under Students/Scores page. Once there, select Placement test under the event tab, and click on Get Details.



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Placement Day Instructions

- Please drop your students at the front gate and then park in the **marked spaces** only. In case the ICAE parking lot is full, please park in the lot just west of us (18411 West 12 Mile Road).
- Please stick to the assigned day and times. Call ahead (248-559-5214 or 248-641-9815) if you need to make a change. In case you have more than one student in ICAE, you can bring them all at the same time.
- **If the test rooms get full, we may limit the testing only to the students who are scheduled for that time. Others may have to come back at a later time.**
- Pre-registered students with printed **Admit Cards** can proceed directly to the classrooms for testing. Others must stop over at the second floor for registration. **Please indicate schedule change requests on the Admit Card.**
- **If you forgot to bring your Admit Card, please log in to the computer on first floor and print your Admit Card.**
- All students must first test at the suggested levels and then at a higher level if they would like to advance. **Advancement request will be considered only if the student has taken the placement test for the advanced level. A cutoff score of 50% at the current level test will be needed for taking the advanced level test.**
- Please contact us by e-mail (rkhetan@sbcglobal.net) if you have any questions.
- Parents are requested to wait on the second floor while the students are taking the tests on the first floor.
- You can pick up a copy of “ICAE Today” on Saturdays/Sundays to get news about your students and ICAE.
- Complementary Pizza and soft drinks will be served on the second floor to the students and parents at lunch time (11:30 & 12:30). Please dispose the trash properly and do not bring the food to the first floor.
- ICAE Board Members will be making a presentation on the second floor covering many frequently asked questions. They will be glad to answer any additional questions you may have.
- You are invited to come to your student’s class next week to hear from your teacher on goals and objectives of the class.



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Placement Tests & Class Assignments

1. Please note that students will be placed in various classes based strictly on (i) the past performance at ICAE and (ii) the performance on the placement tests given on **March 3, 4 and the makeup days**. The new students should come prepared to take more than one test for proper placement.
2. ICAE Mathematical Problem Solving Classes represent the groups of the students with similar skill levels and learning needs. The top 16-20 students each are placed in the accelerated classes (Math II, III-Sat, III-Sun, and IV).
3. Next groups of 16-20 students each are put in the advanced classes (Math IB2, IB1, IIB2-Sat, IIB2-Sun, IIB1-Sat, IIB1-Sun, IIIB). Next groups of students are placed in intermediate level classes (Math IAB2, Math IAB1, IIAB2-Sat, IIAB2-Sun, IIAB1-Sat, IIAB1-Sun, and IIIAB) and the last group of students are placed in the beginning level classes (Math IA3/IA2/IA1, IIA2-Sat, IIA2-Sun, IIA1-Sat, IIA1-Sun, and IIIA).
4. The classes were first formed in Fall 2011. These students grouped together in the Fall 2011 term will, in general, stay together for the current academic year, unless a particular student does exceptionally well or just does not put the needed effort in the class.
5. There are very few adjustments during the Winter & Spring terms. These adjustments will happen primarily due to the enrollment levels (adding or combining classes) or Fall 2011 and Winter 2012 performance of returning students (teacher evaluations).
6. All new students sign up and test for beginning classes. Returning Students sign up for their Winter 2012 Classes.
7. Placement tests are used to identify the learning needs of the students and are used in deciding the class assignments.
8. Placement tests scores will be posted on the second floor north wall within about 30 minutes after the tests are turned in. The scores will also be posted online within 48 hours after the test.
- 9. Students are encouraged to take the next higher level test. However, a cutoff score of 50% at the current level test will be needed to qualify for taking the advanced level test.**
10. The Class assignments are completed only after all regular and make up tests are evaluated. The class assignments will be posted online on Wednesday, November 30th. We request parents not to insist on advancing their children to a higher level class. The students will be advanced strictly based on their demonstrated skill levels.
11. The schedule shown in this document is tentative. The final schedule will also be posted online on Wednesday, March 7th.
12. Please check the updated schedule and your class assignment before you come to the first class on Saturday, March 10th.



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Advancement Policy

Returning students should register for their current levels (Winter 2012). Students requesting for advancement to the next Math level must first take the placement test for their current level and then for the next higher level. To advance, the students must score high at their current level and above average for the higher level. Please note that the students not performing well at their current levels may also be moved to a lower level.

Drop Out Policy

ICAE has a very generous drop out policy. The students can take the placement tests and attend the first two classes and can still get full refund if they inform us by March 18th by e-mail at rkhetan@sbcglobal.net. No refund is given if the students decide to drop out after the drop out deadline, March 18, 2012. The drop out and refund process works as follows:

- The student desiring to drop out (for whatever reason) must inform us by the drop out deadline of March 18, 2012.
- You can inform us by sending an e-mail to rkhetan@sbcglobal.net.
- We will act upon your request within 48 hours. Your name will be taken off the list of approved students. You will not receive a separate e-mail notification.
- You can check your status online by going to the “Students/Admit Card” page. You will need to login with your user-id and password.
- Refund checks will be mailed out on Monday, March 26th to the address stored online in your personal information. You can update your personal information by going to the ‘Students/Update my info’ page.
- We do not cash any checks prior to the drop out deadline. Your check will be returned to you unless it also includes payment for other items.

Start of the Classes

- The classes will start on March 10th weekend.
- Students must come to the assigned class 5 minutes before the start time.
- We encourage parents to sit in the classes with their children. The parents can then reinforce the concepts covered in the class at home.
- Teachers will discuss the class objectives and requirements during the first 10 minutes of the first class.
- Homework will be assigned every week (2-3 hours a week, preferably 30 minutes/day) and should be turned in the following weekend.



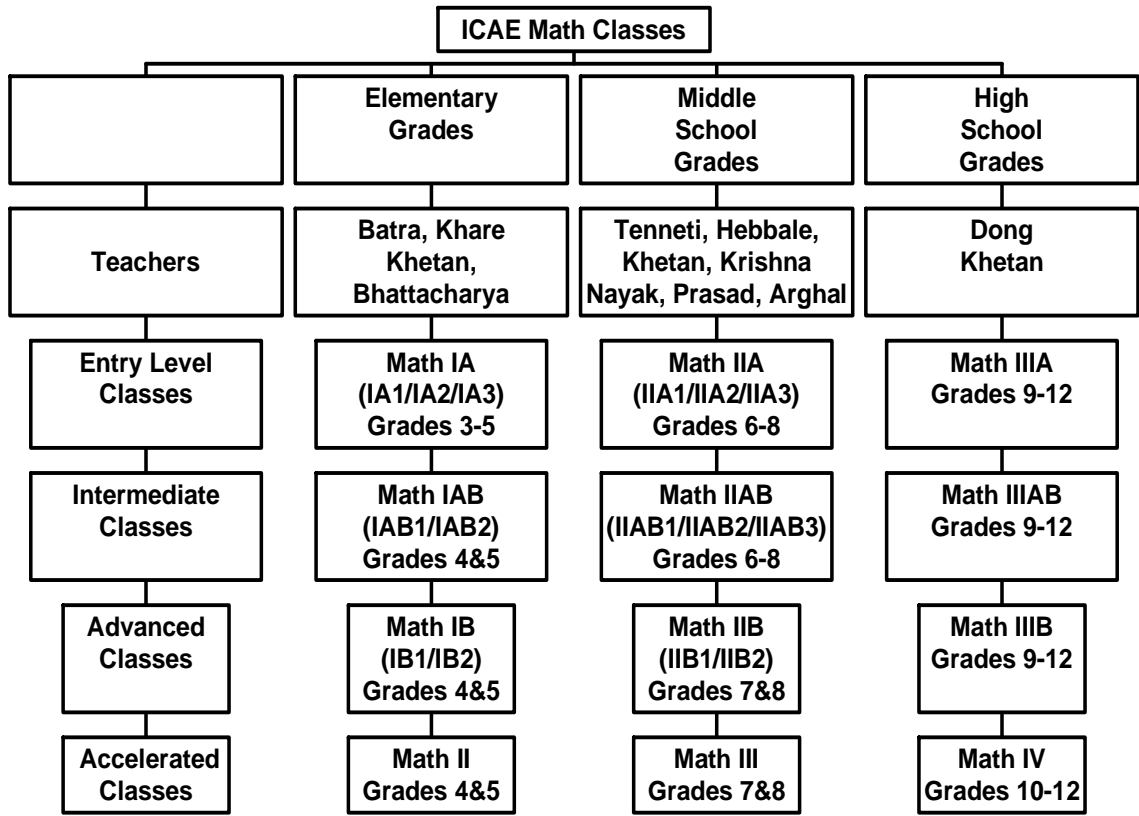
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- The parents can reinforce the concepts but are not supposed solve the problems for their children.

ICAE Sponsored Competitions

- ICAE sponsors many competitions. We encourage all of our eligible students to participate in these competitions.
- Students are eligible to compete at ICAE if their home schools do not provide this opportunity. We must have letters from the home schools to determine the eligibility.
- A competition calendar is for AY 11-12 is posted on www.icae.org. Competition registration deadlines are broadcast in our newsletter “ICAE Today.”
- Students must register online (www.icae.org) under “registration/competition” link by the deadline. The must also pay any applicable fees at the front desk. The students are approved for the contest once these steps are completed.

Mathematical Problem Solving Classes





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Physics Laboratory Program (Teacher – Dr. Khetan)

The students will learn the concepts in advanced mechanics by conducting well designed and planned experiments like: Motion on an Incline, Newton's Laws, Projectile Motion , Storage and Transfer of Elastic, Kinetic, and Gravitational Energies, Impulse and Momentum, Momentum and Collisions, Centripetal Acceleration, Rotational Dynamics, and Conservation of Momentum. They will learn to use equipment like: Vernier Dynamics System, Motion Detector, Photogate, Force Sensors, Centripetal Force Apparatus. They will learn to acquire data using Lab Quest Interface system. They will learn to process analog and digital data using Logger Pro software. The data will be used to develop and validate the concepts in Mechanics.

ICAE Creative Writing Program (Teacher – Ms. Janet Lawless)

Ms. Janet Lawless is a published writer and editor, holds a Master of Arts degree in English and Creative Writing from Wayne State University in Detroit, Michigan, and a Bachelor of Science in pre-law and business from Madonna University. She has taught creative writing, composition, argumentation, developmental writing, literature, and art to diverse student groups for more than ten years, both in Michigan and in Washington State. Currently, she teaches composition classes at Oakland Community College, Macomb Community College, and Wayne State University. She was a member of the Detroit Writers' Project the Moving Out collective, and a former editor of *The Wayne Review*. Her writing has been published in Washington and in the Detroit area.

Writing IIA

Writing IIA is the beginning writing class at ICAE. This term, we will focus on basic paragraphs, basic grammar, vocabulary, reading comprehension, and standardized test preparation. The writing will start with a brief coverage of pre-writing to essay forms, starting with basic paragraphs and use of examples. In-class writing is also done, with the instructor reviewing student writing and giving feedback. Rewriting is a regular process in the class too.

Reading comprehension and vocabulary are, likewise, key components of the course.

The reading comprehension and vocabulary building will prepare students for the MEAP, the SAT, the ACT, other standardized tests, and develop students' vocabulary, test-taking skills, and performance in their regular school.

Homework will consist of composition, grammar practice, reading comprehension questions, and vocabulary from the reading. Expect to spend at least two hours a week preparation for class. During the initial session, I also invite suggestions from parents in order get more input on student needs. Modifications may be made based on the student body and parent suggestions.

* Also, creative writing contest submission is done in the summer, but opportunities for contests are given during all semesters.



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Writing IIB1/2

This semester, Writing IIB will focus again on writing, expository and persuasive, composing a PowerPoint and giving a presentation before a large audience, and SAT-level grammar, vocabulary and reading comprehension skills. The focus will also include SAT test preparation and the overall development of student writing skills to help students grow in their general English skills. Persuasive writing and preparing the SAT are a major goals of the class. Regular weekly games are played so that students use and are further exposed to advanced vocabulary.

These classes will prepare students for the MEAP, the SAT, the ACT, improve their performance in their regular school, and prepare them for college. In Writing IIB classes, the instructor uses material from freshman through junior-level college courses.

* Also, creative writing contest submission is done in the summer, but opportunities for contests are given during all semesters.

AP Physics Program (Teacher – Dr. Mark Baskaran)

Dr. Mark Baskaran is a tenured Full Professor at Wayne State University in the College of Liberal Arts and Science. He has a Ph.D. in Physics from Physical Research Laboratory (Ahmedabad, India), although his research interest lies in the field of Nuclear Geochemistry. He has taught College Physics for 11 years at Texas A&M University at Galveston prior to his affiliation with Wayne State University since Fall 1999. He has a total of 22 years of teaching experience as a full time faculty in US Universities. His son Justin is taking Math IIIA currently at ICAE.

Physics IIIA (Curriculum)

- **Kinematics & Dynamics**
- **Circular Motion and Rotation**
- **Oscillations and Gravitation**
- **Fluid Mechanics**
- **Temperature and Heat**
- **Kinetic Theory and Thermodynamics**



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Class Schedule & Fees

The following tables show the **tentative** schedule and fees for all the classes that we are planning to offer during the Spring 2012 session. Some classes are offered on both Saturdays and Sundays. Please register for the day you will like to come.

Tentative Schedule						
Saturdays						
Room #1	Room #2	Room #3	Room #4	Room #5	Room #6	Computer Room
Math IIAB1-Sat 08:50 - 10:20 Fees: \$340 Hebbale	Math IIA2-Sat 9:10 - 10:40 Fees: \$340 Tenneti	Math III-Sat 09:05 - 11:05 Fees: \$370 Khetan	Math IAB2 8:45 - 10:15 Fees: \$320 Batra	Math IA1 09:20 - 10:50 Fees: \$320 Khare	Physics IIIA 10:30 - 12:00 Fees: \$340 Baskaran	Writing IIA 14:15 - 15:45 Fees: \$320 Lawless
Math IIAB2-Sat 10:30 - 12:00 Fees: \$340 Hebbale	Math IIA3-Sat 10:50 - 12:20 Fees: \$340 Tenneti	Math II 11:15 - 12:45 Fees: \$340 Khetan	Math IAB1 10:25-11:55 Fees: \$320 Batra	Math IA2 11:00 - 12:30 Fees: \$320 Khare		Writing IIB 16:00 - 17:30 Fees: \$320 Lawless
Math IIIA 12:10 - 13:40 Fees: \$350 Dong	Math IB2 14:10 - 15:40 Fees: \$320 Bhattacharya	Math IIAB3-Sat 13:50 - 15:20 Fees: \$340 Khetan	Math IIA1-Sat 12:05 - 13:35 Fees: \$340 Batra	Math IA3 12:40 - 14:10 Fees: \$320 Khare		
Math IIIAB 13:50 - 15:50 Fees: \$370 Dong	Math IB1 15:50 - 17:20 Fees: \$320 Bhattacharya	Math IV 15:30 - 17:30 Fees: \$390 Khetan	Math IIB1-Sat 13:45 - 15:15 Fees: \$340 Nayak			
Math IIIB 16:00 - 18:00 Fees: \$370 Dong			Math IIB2-Sat 15:25 - 16:55 Fees: \$340 Nayak			
Sundays						
Room #1	Room #2	Room #3	Room #4	Room #5	Room #6	Physics Lab
Math IIAB1-Sun 09:00 - 10:30 Fees: \$340 Krishna	Math IIA2-Sun 10:20 - 11:50 Fees: \$340 Arghal	Math III-Sun 09:05 - 11:05 Fees: \$370 Khetan	Math IIB1-Sun 09:35 - 11:05 Fees: \$340 Prasad			Physics Lab1 12:00 - 14:00 Fees: \$320 Khetan
Math IIAB2-Sun 10:40 - 12:10 Fees: \$340 Krishna	Math IIA1-Sun 12:00 -13:30 Fees: \$340 Arghal		Math IIB2-Sun 11:15 - 12:45 Fees: \$340 Prasad			Physics Lab2 14:15 - 16:15 \$320 Khetan
Math IIIB-Sun 13:00 - 15:00 #370 Dong			AAPN Guest2 15:00 - 16:30 NC Consul/Deng			



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Schedule for the Placement Test Weekend

- **Registration will close at 1:30 PM on March 3 & 4. The students will not be given tests after 1:30 PM.**

Saturday March 3, 2012

Math IA1/2/3	9:00 AM	Writing IIA/B1/B2	9:30 AM
Phys IIIA /Lab1/2	10:00 AM	Math IAB1/2	10:30 AM
Math IIIA/IV	11:00 AM	Math IIIAB/IIIB	11:30 AM
Math III	12:00 PM	2 nd Tests	12:30 PM

Sunday March 4, 2012

Math IIA1/2/3	9:00 AM	Math IIAB1/2/3	10:00 AM
Math IIB1/2	11:00 AM	Math IB1/IB2/II	12:00 PM
2 nd Tests	12:30 PM	AAPN Guest1/2	2:00 PM

Tuesday March 6, 2012 (By Appointment Only)

Make up tests will be offered at 7:00 PM. Please send an e-mail (rkhetan@sbcglobal.net) for appointment.



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Optional ICAE Student Registration Form -Spring 2012

(You must also register online at www.icae.org)

Place:	18239 West Twelve Mile Road, Lathrup Village	
Fees:	Math IA1/IA2/IA3/IAB1/IAB2/IB1/IB2	\$320
	Math II/IIA1/IIA2/IIAB1/IIAB2/IIAB3/IIB1/IIB2	\$340
	Math IIIA	\$350
	Math III/IIIAB/IIIB	\$370
	Physics IIIA	\$340
	Physics Lab1/Lab2	\$320
	Math IV	\$390
	Writing IIA/IIB1/IIB2	\$320

I will be joining the following ICAE Problem Solving classes (Select the appropriate level):

Mathematics Level _____	Fees: _____
Physics Level _____	Fees: _____
Writing Level _____	Fees: _____
Donation to ICAE _____	_____
Total	_____

We want to encourage advance registration. You can deduct \$20/class if paying before 2/22/12. Refund requests will not be honored after March 18, 2012. Make checks payable to ICAE and mail to

**Prem Lata Khetan
 5225 Cameron Drive
 Troy, MI 48098**

Please provide the following information (OR ATTACH PAYMENT VOUCHER)

Name: _____

Grade: _____ **Phone** _____

Home School _____ **School District:** _____

e-mail _____

Please contact us by e-mail (rkhetan@sbcglobal.net) for further information.