

ASM Student Materials Camp

Are you interested in science, math, chemistry, and physics?

Did you ever wonder how materials are structured or fail?

Do you know about careers in materials engineering?



Apply for a chance to get an all expenses paid trip to a materials camp where you can have fun learning about materials engineering!

What is ASM Materials Camp?

- An academic camp utilizing hands-on learning principles of applied math, physics, chemistry, and basic physics.
- A very unique team-based, intensive problem solving science experience under the direction of a distinguished world-class faculty, "Materials Mentor".
- Combination of mini-demonstrations, field trips with extensive involvement in unique laboratory facilities to actively explore materials science & engineering principles.

2008 Student Materials Camps	Location	Dates
Cleveland, OH	ASM Headquarters	August 10-15
Rolla, MO	Missouri University of Science & Technology	July 20-25
State College, PA	Penn State University	July 6-11

Who should attend?

- Students entering Grade 11 or 12 in high school in the Fall 2008 semester.
- Highly motivated inquisitive learners with math and science aptitude.

What does it cost to attend?

- Students receive FREE housing (for residential camps only), meals, tuition, entertainment and knowledge.
- The local ASM Chapter of Edmonton will hold a city wide competition to send 1-2 students and cover all tavel expenses to the camp (see attached application form).

How do students apply?

- Applications are available on the reverse, and are due by March 24, 2008.
- Required information includes school transcript and a maximum of two letters of recommendation.
- Personal essay (100 words or more) expressing "why you want to attend the ASM Materials Camp.

How are students selected?

- This is a competitive application process. Students must have basic knowledge of algebra, chemistry, and physics and describe why they want to learn more about engineering and materials science as a possible college major and career.
- Experienced practicing engineers review each application to select the "best and brightest", highly motivated students.
- Students must have a strong interest in applied science.
- Prior participation in science fairs is helpful, but not required.

What will students actually do at Materials Camp?

- Have fun. Our number one goal is to make applied science an exciting, fun experience.
- Solve a technical problem. Using the "Failure analysis" exploration model, students work in small groups and investigate the failure of a man-made material to perform its intended function.
- Learn to use state-of-the-art research equipment in an engineering laboratory under the guidance of experts.

Where can I get additional information?

- Visit: www.asmfoundation.org
- Contact Dr. John Nychka, Edmonton ASM Chapter, Student Camp Coordinator, Tel: 780-492-4796, FAX 780-492-2881, email: jnychka@ualberta.ca



ASM MATERIALS CAMPSM

Please specify which ASM Materials Camp (location) you are applying for:

1st Preference:	
2 nd Preference:	

APPLICATION FORM

Part 1								
 Student's 	Name:			Preferred 1st	name for name	e tag:		
2. Address:	(C) / DOD							
	(Street or P.O. Box)	City	State	e Z	ip Country		
Email Add	lress (most communica	tion will be sent elect	ronically, if pos	sible):				
4. Citizenshi	p:							
5. Sex:	Male	Female		ate of Birth:				
6. Father's N	lame:							
Address:				ddress:				
	/Zip:							
(Day)		(Evening)		(Day	')	(Evening)		
7. Grade you	will be entering in the	Fall of 2008: 11	12					
8. Name of h	nigh school:							
	ldress:							
	Street		C	ity	State	Zip Code		
	Principal's Name: Current school year's grades on the following subjects (provide grades on most recent grading period):							
ScienChemPhysi	ice:	and renorming easyeste	(provide grade		oon graang p	sioo,		
Part 2								
			, ,	e selected to	participate in f	MATERIALS CAMP. Plea		
	our planned college maj naximum of two (2) lette	, , ,						
	elated to an ASM memb							
	If yes, please provide name of ASM member and your relationship:							
Na	ame of ASM Member				R	telationship		
	opy of most recent rep	ort card.						

Please reuturn on or before March 24, 2008 to:

DR. JOHN NYCHKA 532 Chemical and Materials Engineering Building Chemical and Materials Engineering Department University of Alberta Edmonton, AB, Canada T6G 2G6

Email: jnychka@ualberta.ca

E. Enclose one (1) recent photo, 2x2 or larger, for publication. (Photo will not be returned.)

FAX: 780-492-2881