

Application Form
INSPIRED summer academy for middle school students

Complete application in full (all fields required)

Applicant's Full Name: _____

Middle School: _____

Grade Level as of September 2008: _____

List ALL mathematics and computer science (CS) courses to be completed by June 2008:

Average grade on math and CS courses: _____

Reason you are interested in the academy: _____

Citizenship (check one):

U.S. Citizen or Permanent Resident Other

Preferred Dates (select 1 or 2):

May 17, 2008 May 24, 2008 May 31, 2008

Race/Ethnicity (can choose more than one): American Indian

Alaskan Native Asian Pacific Islander Black or African

American White Hispanic or Latino origin Not of Hispanic or Latino origin

Applicant's Signature

Date _____

Parent or Legal Guardian Information (to mail release forms)

Full Name: _____

Mailing Address:

Phone Number: _____

E-mail: _____

INSPIRED
P. O. Box 10056
Computer Science Department
Lamar University
Beaumont, TX 77710



INSPIRED

Computing Academy



A one-day summer academy for middle school students



National Science Foundation

Lamar University's **INSPIRED**

URL: ww.cs.lamar.edu/inspired

E-mail: inspired@cs.lamar.edu

Phone: (409) 880-8782

(409) 880-7741



Did you know?

- Frances Allen, an IBM Fellow Emeritus, won the A.M. Turing Award, the Nobel Prize equivalent for computer science, in Feb. 2007.
- In 1989, African American Philip Emeagwali won the Gordon Bell Prize, considered the equivalent of the Nobel Prize, for developing the fastest supercomputer software in the world.
- Manuela Veloso, Professor of Computer Science at CMU, is a Fellow of the American Association of AI and Vice President of the RoboCup International Federation.

Computer Science...

- makes life...
 - ✓ **easier:** merchandise scanners, microwaves;
 - ✓ **safer:** medical diagnosis, hurricane tracking;
 - ✓ **more interesting:** space exploration, Web surfing;
 - ✓ **more fun:** video games, cell phones, iPods.
- is growing:¹ five of the fastest growing occupations in the US are in computing.
- has many career paths:^{1,2} database admin, software engineer; webmaster, etc.
- pays well:¹ many positions average \$44,000 to \$102,000 per year.

What is INSPIRED?

INSPIRED is Lamar University's INcreasing Student Participation In REsearch Development Program. Our mission is to broaden participation in computing by increasing the number of women and minorities receiving computer science degrees.

¹ "Tomorrow's Jobs," Occupational Outlook Handbook, 2006-2007 Ed., U. S. Dept. of Labor, <http://www.bls.gov/oco/print/oco2003.htm>.

² "Computing Degrees and Careers," ACM, <http://computingcareers.acm.org>



LU students and faculty lead the academy and give hands-on help to students.

*Held on the Lamar Campus
Tentative Dates: Saturday,
May 17, 24, or 31
Tentative Schedule*

<i>Time</i>	<i>Activity</i>
8:30 – 9:00	Registration
9:00 – 9:30	Opening Session
9:30 – 11:30	Programming Lego Robots
11:30 – 12:30	Lunch
12:30 – 1:30	Scratch Workshop
1:30 – 2:30	Web Workshop
2:30 – 3:00	Closing Session

Sponsors

INSPIRED is funded by National Science Foundation Broadening Participation in Computing Grant Number 0634288 and Lamar University.

What is the INSPIRED Computing Academy?

A one day academy where students advancing to grades 7 through 9 can learn about computers and applications

- Hands-on programming of LEGO robots
- Hands-on animation programming
- Hands-on developing your own Web page

Who leads the academy?

The INSPIRED team of Lamar University Computer Science students and faculty who perform research in robotics and computer design lead the academy.

What does it cost?

The 2008 camp is supported by a National Science Foundation grant and is free of charge to students.

What should I expect?

- You will learn how to create animations, program robots and create a Web page.
- You will work with one or two partners.
- You can pick your partners.
- LU students will help guide you.
- You will have fun!

How do I apply?

Students advancing to grades 7-9 from partner schools can apply. Complete the Application Form on the reverse side and mail it to:

INSPIRED Computing Academy

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Lamar University

Beaumont, TX 77710