

# Launch-IT SUMMER 2009 STUDENT APPLICATION

Launching at risk Lehigh Valley students towards college  
& careers in Information Technology

Launch-IT is proud to open enrollment for our 3-week summer Information Technology camp for Lehigh Valley students in 6<sup>th</sup> – 12<sup>th</sup> grade beginning July 20<sup>th</sup>, 2009 and concluding August 6<sup>th</sup>, 2009.

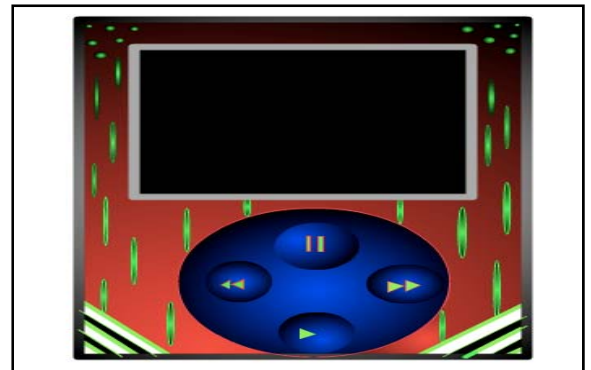
“Hands-on activities during the Summer Sessions”



**Building a Roller Coaster**  
(6<sup>th</sup> & 7<sup>th</sup> grade students)



**Testing a Robot**  
(8<sup>th</sup> & 9<sup>th</sup> grade students)



**Designing a Juke Box**  
(10<sup>th</sup>, 11<sup>th</sup>, & 12<sup>th</sup> grade students)

**Launch-IT** Hosted at Lehigh University

Visit Launch-It on the web at [www.lehigh.edu/launchit](http://www.lehigh.edu/launchit)

Office of Academic Outreach  
618 Brodhead Avenue  
Bethlehem, PA 18015

Colleen E. Solomon, Program Director  
Email: [prj2@lehigh.edu](mailto:prj2@lehigh.edu) Phone: 610-758-4133

Dear Prospective Launch-IT Parent(s) and Student:

**Thank you for your interest in the Launch-IT (Information Technology) program.**

**Parents/Guardians** please complete the following checklist before submitting your child's application.

- Complete Student Information (page 4)
- Complete and **SIGN** Parent Information (page 5)
- Complete and sign "*Waiver for Minors*" (page 6)
- Complete and sign "*Parental/Guardian Informed Consent*" (page 7)
- Please send Student Transcript to Launch-IT
- Teacher Recommendation Letter

**Students** please complete your student check list.

- Student Information & Essay (page 4 & 5)
- Complete and sign "*Student Informed Consent*" (page 8)
- Complete "Survey of Technology Experiences" (page 9)

**BE SURE TO READ ALL INSTRUCTIONS CAREFULLY.**

**Please Note: Before a student can be considered for the Launch-IT program, all the above items must be returned by FRIDAY, MAY 15<sup>th</sup>, 2009. INCOMPLETE APPLICATIONS CANNOT & WILL NOT BE PROCESSED.**

**\*Parents and student(s) are invited to attend these information sessions.**

You are advised to check-off the above boxes as a way of confirming enclosure of all required materials before mailing.

If you have any questions, please call 610-758-4133 or email [prj2@lehigh.edu](mailto:prj2@lehigh.edu).  
Check out the Launch-IT web site at [www.lehigh.edu/launchit!](http://www.lehigh.edu/launchit!)

Sincerely,

*Colleen E. Solomon*

Program Director of Launch-IT

# Launch-IT (Information Technology) Program

The Launch-IT Program will launch Lehigh Valley students towards college and careers in Information Technology (IT). Sponsored by the National Science Foundation (NSF) and the Pennsylvania Infrastructure Technology Alliance (PITA) and hosted at Lehigh University, this program is for middle through high school students who may be considered at-risk and may not be exposed to IT and college.

The Launch-IT Program includes a three-week summer program and a monthly Saturday program during the academic year. Summer and year-round curricula will include programming remotely control mobile robots in a simulated Martian landscape (6<sup>th</sup> & 7<sup>th</sup> grade students), creating a web-based music juke box using Flash and Action Script (8<sup>th</sup> & 9<sup>th</sup> grade students), and learning the basics of graphics, animation, and interaction through Microsoft.net and Silverlight technologies (10<sup>th</sup>, 11<sup>th</sup>, & 12<sup>th</sup> grade students). \*Students participating in Launch-IT during the academic year must re-apply for the summer session.

## The Launch-IT Program also includes;

- Math skill development with the help of the web-based “24” game and a web-based geometry tutoring system.
- High school students will get help preparing for the PSAT/SAT exams.
- Interactive multimedia and field trips to corporate sponsors will help prepare Launch-IT students for IT career opportunities.
- Local IT professional guest speakers to educate and interact with students.
- Presentations to prepare student to strive to become college bound and career driven.
- Opportunity to work with college professors, certified teachers throughout the Lehigh Valley, graduate and undergraduate students.
- If accepted, students attend Launch-IT free of charge (complements of Launch-IT sponsors NSF and PITA).
- Transportation options are available.
- Students are provided breakfast and lunch.

**Interested?** Let your Guidance Counselor and/or teacher know, fill out the application form in this package and submit it to Launch-IT at the Office of Academic Outreach at Lehigh University.



Applications are due **FRIDAY, MAY 15<sup>th</sup>, 2009.**

Questions: email [prj2@lehigh.edu](mailto:prj2@lehigh.edu) or call (610) 758-4133



# Launch-IT Student SUMMER Application FORM

Launch-IT (Information Technology) Summer Camp

July 20 – August 6, 2009

8:30 a.m. – 4:00 p.m. (Monday-Thursday)

## Personal Information (Please Print or Type)

Name: .....

School: .....

Grade (as of September 2009):..... Circle One: Male Female

Home Mailing Address: .....

City: ..... State: ..... Zip Code.....

Phone Number: ..... Shirt Size: S M L XL (circle one)

Racial/Ethnic Background (Please check one)

Caucasian:..... African American/Black: ..... Hispanic/Latino: .....

Asian: ..... Other (Please specify): .....

**Why are you interested in participating in the Launch-IT Summer Camp (essay by student applicant ):**

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

Are you a returning Launch-IT student? ..... Yes ..... No

(Please check all that apply)

Spring '07..... Summer '07 ..... Fall & Spring 07/08 .....

Summer '08..... Fall & Spring 08/09.....

Will you need transportation? ..... Yes ..... No

What were your grades the last quarter in: Technology or Computer Class .....  
If you did not take a technology or computer class, what were your grades the last quarter in  
Math ..... Science .....

Racial/Ethnic Background (Please check one)  
Caucasian:..... African American/Black: ..... Hispanic/Latino: .....  
Asian: ..... Other (Please specify): .....

**Why are you interested in participating in the Launch-IT Summer Camp** (essay by student applicant ):  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

Are you a returning Launch-IT student? ..... Yes ..... No  
(Please check all that apply)  
Spring '07..... Summer '07 ..... Fall & Spring 07/08 .....  
Summer '08..... Fall & Spring 08/09.....

Will you need transportation? ..... Yes ..... No

What were your grades the last quarter in: Technology or Computer Class .....  
If you did not take a technology or computer class, what were your grades the last quarter in  
Math ..... Science .....

What do you *like* most about Information Technology:  
.....  
.....  
.....  
.....

What do you *dislike* most about Information Technology:

.....  
.....  
.....  
.....

What career do you plan to pursue? (What do you want to be when you grow up?)

.....  
.....  
.....  
.....

**PARENTS - Please print clearly, thank you.**

Parent/Guardian Name: .....

Parent/Guardian Work/Day Phone #: .....

**Parent Guardian Signature:** .....

Do you receive public assistance or aid for dependent children: ..... Yes ..... No

Is your child currently taking any medication? ..... Yes ..... No

If yes, for what purpose?

You must get **ONE LETTER OF RECOMMENDATION** from a technology, math or science teacher.

The recommendation letter **AND** the student application are due **FRIDAY, MAY 15<sup>th</sup>, 2009.**

Colleen E. Solomon, Program Director  
Launch-IT (Information Technology)  
Lehigh University  
The Office of Academic Outreach  
618 Brodhead Avenue  
Bethlehem, Pennsylvania 18015

Questions? Please email [prj2@lehigh.edu](mailto:prj2@lehigh.edu) or call (610) 758-4133

# LEHIGH UNIVERSITY WAIVER FOR MINORS

(to be completed & **signed** by parent/guardian of minor participant)

Name of Minor Child (under age 18) .....

(Please Print )

Name of Activity: **Launch-IT Program**

Date of Activity **July 20<sup>th</sup> – August 6<sup>th</sup>, 2009**

In consideration of the use of premises or facilities owned or operated by Lehigh University and/or in consideration of permitting my minor child to participate in the activity listed above, on behalf of my minor child, myself, my heirs, executors, administrators, successors, or assigns, I hereby release and forever discharge Lehigh University, its agents, servants, and employees of and from any and all manner of actions, cause of action, suits, damages, claims, and demands, on account of personal injury, including death, or any other cause whatsoever, which I may have against them by reason of or arising out of my minor child's participation in the above-listed activity.

I understand and accept the risks involved in this activity.

.....  
**Signature of Parent/Guardian**

.....  
**Date**

{Please make certain that you have adequate health and accident insurance, as Lehigh will not be responsible for injuries resulting from your minor child's participation in physical activities.}

Note: Sponsoring department retains this signed form for 2 years.

Office of Risk Management

(waiver:20/rev.1/92)

# Parental/Guardian Informed Consent

National Science Foundation  
Launch-IT (Information Technology) at Lehigh University

Dear Parent/Guardian:

The success of Launch-IT depends on ongoing evaluation to find out how well the new courses and educational software are working, to make improvements, and to make our best practices available to other after-school and in-school programs across the nation. Although your child's participation is voluntary, we need to collect information about his or her attitudes toward computers as well as how they perform on quizzes and projects, individual learning style, school grade, gender, ethnicity, and college and career goals. Dr. M. Jean Russo of the Center for Social Research at Lehigh University will be responsible for coordinating evaluation, and all data will be made available to the NSF's ITEST Learning Resource Center. Also, the educational software (multimedia and intelligent tutoring systems) will collect data about how student respond to online exercises, quizzes and programming projects, in order to provide hints and lessons tailored to each student's learning experience. Lehigh researchers (Dr. Glenn Blank, Dr. H. Lynn Columba and their graduate students) will study these data to understand how well the educational software is working, make improvements, and publish results. Your child's data will be kept private. Evaluators will associate data only with computer "login" names (such as 'student21'), not the actual names of children. Your child's name will never be mentioned in any reports or papers. If you have any questions or concerns about how these data are used, you can contact Jean Russo at (610) 758-3803.

We also ask your permission to display work produced by your child on the Launch-IT website, where the public may view the work, including potential students and their parents and the staff of the National Science Foundation, the agency that funded this Program. Your child's name will NOT be listed on the website along with the work. The website can be viewed at [www.lehigh.edu/launchit](http://www.lehigh.edu/launchit).

In order to participate in Launch-IT, we need your permission. We also need your approval for program evaluation and your permission to include your child's test results in our analyses. To give your permission, each parent or guardian should please **print and sign your name(s)** below.

**(If only student has only one parent/guardian, please indicate that by writing "only parent" or "only guardian.")**

.....**[Please PRINT]**, as the parent(s)/guardian(s) of the child named below, permit our child to participate in Launch-IT and take public school buses to Launch-IT school locations and on Launch-IT field trips. I (We) also permit Lehigh researchers to study how our child performs on paper- and computer-based surveys, quizzes, and projects. I (We) understand that the researchers will report the results of their studies to the National Science Foundation as well as in educational and computer science research publications.

.....  
**[Signatures]**

Our child's name is: ..... Date: .....

If you have questions or concerns regarding your child's participation in the study, you may contact Office of Research and Sponsored Programs, at 610-758-3024, in confidence.

## Student Informed Consent

### Launch-IT (Information Technology) at Lehigh University

Dear prospective Launch-IT student:

The success of Information Technology depends on ongoing evaluation, to find out how well the new curricula and educational software are working, make ongoing improvements, and make our best practices available to other after-school and in-school programs across the nation. We will collection information about student attitudes towards computers, how well students perform on quizzes and projects, individual learning style, school grade, gender, ethnicity, and college and career goals. Also, the educational software (multimedia and intelligent tutoring systems) will collect data about how students respond to online exercises, quizzes and programming projects, in order to provide hints and lessons tailored to each student's learning experience. Lehigh researchers will study these data to understand how well the educational software is working, make improvements, and publish results. Your data will be kept private. Evaluators will associate data only with computer "login" names (such as 'student21'), not your actual name. Your name will never be mentioned in any reports or papers. If you have any questions or concerns about how this data is used, you or your parents can contact Jean Russo at (610) 758-3803 or Office of Research at (610) 758-3024.

In order to participate in Information Technology, we need your parent's permission, *on a separate form*. We also need you to indicate your willingness to participate and permission to gather information about how well IT programs and educational software are working. Please **print and sign your name** below.

I,..... [Please PRINT], would like to participate in the Launch-IT Project. I understand that I will take public school buses to IT school locations or on field trips. If for some reason I cannot attend a session, either I or my parent/guardian will call Priyani at 610-758-4133. I also permit Lehigh researchers to study and perform on paper- and computer-based surveys, quizzes, and projects. I understand that this will be used to report the results of the study to the National Science Foundation and educational and computer science research publications.

Signature: .....

Date: .....

# Survey of Technology Experiences

## Launch-IT (Information Technology) at Lehigh University

Please complete the following survey:

<p>1) Does your family own a computer?                            Yes .....           No .....</p>																
<p>2) If your household owns a computer, what kind of computer is it?                ..... Windows PC           ..... Macintosh           .....Other (Please Specify .....</p>																
<p>3) How often do you use a computer?                ..... Never           ..... Daily           ..... Once or twice a week                ..... Once or twice a month           ..... Once or twice a year</p>																
<p>4) What experiences do you have with a computer?</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">..... Video Games/ Entertainment</td> <td style="width: 50%;">.....Database, Spreadsheets</td> </tr> <tr> <td>..... Electronic Mail</td> <td>.....Flash</td> </tr> <tr> <td>..... Programming</td> <td>.....Java</td> </tr> <tr> <td>.....WordPerfect</td> <td>.....Internet Use</td> </tr> <tr> <td>.....Microsoft Word</td> <td>.....DOS Programs</td> </tr> <tr> <td>..... Graphing Programs</td> <td>.....Creating Web Pages</td> </tr> <tr> <td>.....library Resources</td> <td>..... Other</td> </tr> </table>			..... Video Games/ Entertainment	.....Database, Spreadsheets	..... Electronic Mail	.....Flash	..... Programming	.....Java	.....WordPerfect	.....Internet Use	.....Microsoft Word	.....DOS Programs	..... Graphing Programs	.....Creating Web Pages	.....library Resources	..... Other
..... Video Games/ Entertainment	.....Database, Spreadsheets															
..... Electronic Mail	.....Flash															
..... Programming	.....Java															
.....WordPerfect	.....Internet Use															
.....Microsoft Word	.....DOS Programs															
..... Graphing Programs	.....Creating Web Pages															
.....library Resources	..... Other															
<p>5) Does your school have access to the Internet?    Yes .....           No .....</p> <p>      Does your home have access to the Internet?    Yes .....           No .....</p>																
<p>6) Do you have your own e-mail address?            Yes .....           No .....</p> <p>      If yes, what is your email address from home/school? .....</p>																

# Letter of Recommendation for a Launch-IT New Student

Launch-IT (Information Technology) at Lehigh University

Student Name:..... Grade.....  
School Name: .....  
Name of Teacher: .....  
Name of School: .....  
School Address: .....  
Phone Number where you can be reached:.....

**PLEASE NOTE:**

This camp is for *at risk Lehigh Valley students* to receive additional help and get exposure to IT.

**We strongly encourage you to identify students performing at an average or below average level.  
Especially those students having difficulty in math or science.**

Please describe the student you are recommending. Comment on their skills, ability to work with others, and especially their **areas of improvement** and how Launch-IT may help their students further their academic careers.

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

Signature: ..... Date: .....

If recommendation is not returned with the application, please send to:

Colleen E. Solomon, Program Director  
Launch-IT (Information Technology)  
Lehigh University  
The Office of Academic Outreach  
618 Brodhead Avenue  
Bethlehem, Pennsylvania 18015

**DEADLINE FOR RECOMMENDATION: FRIDAY MAY 15<sup>th</sup>, 2009**

Questions? Email [prj2@lehigh.edu](mailto:prj2@lehigh.edu) or call (610) 758-4133