# 2011 SUMMER INSTITUTE FOR TEACHERS





**DESIGN-BASED LEARNING** 

**Empowering** educators and preparing students for a changing world.









### **Bridget Gardea**

Biology, Anatomy and AP Environmental Science Teacher Grades 9–12 Garey HS, Pasadena USD



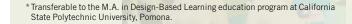
THE SUMMER INSTITUTE FOR TEACHERS
IS AN INTENSIVE FIVE-DAY INTERACTIVE
WORKSHOP BASED ON A PROVEN AND
AWARD-WINNING METHODOLOGY CALLED
DESIGN-BASED LEARNING.

Design-Based Learning taps students' natural creativity to develop higher-level thinking and enhance comprehension of the K–12 curriculum.

No matter what grade level or subject you teach, supplementing your current methods with Design-Based Learning can make a dramatic difference in your classroom.

By motivating students to engage in learning, this stimulating methodology can lead to improved attendance, fewer discipline problems and higher scores on standardized tests.

This course is worth four semester units of credit\* and is open to K–12 educators, principals, administrators, college instructors and after–school program directors and staff. Scholarships are available.





# HOW DESIGN-BASED LEARNING WORKS

Albert Einstein once said, "We cannot solve our problems with the same thinking we used when we created them." This holds true especially in education today where the traditional methods are no longer as effective in engaging and educating students. Design-Based Learning "sneaks up on learning" by giving teachers new tools to inspire students' innate curiosity and create a fun, interactive environment that develops higher-level reasoning skills in the context of the standard K-12 curriculum.

A teacher using Design-Based Learning challenges students to create "never-before-seen" solutions to specific problems.

For example, a sixth grade class studying ancient Egypt might begin working in teams to build a 3D scale model of an ancient structure. Doing so motivates students to answer questions like "What types of dwellings will people live in?" and "What values will they live by?" Armed with their own solutions, students investigate topics about these ancient societies in required texts.

The rough scale model is a tool to unlock students' thinking and problem-solving capabilities and serves as a bridge to the academic material they will later study in textbooks. Students learn how to analyze and refine their ideas and how to test their thinking through both informal conversations and formal presentations. Leadership abilities, communication skills and writing facility are significantly enhanced.

### AWARD-WINNING PROGRAM

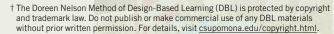
Founded in 2002, Art Center's Summer Institute for Teachers received the 2006 Award of Merit in K–12 Architectural Education.

Design-Based Learning was developed by Doreen Nelson, a professor at both Art Center College of Design and California State Polytechnic University, Pomona. Nelson is a recipient of the California State University 2006 Wang Family Excellence Award for her innovation in education. She leads the Summer Institute for Teachers.†















### Paulette Jackson

Special Education Teacher Grades 6-8 Daniel Webster MS, LAUSD



# DESIGN-BASED LEARNING

SUMMER INSTITUTE FOR TEACHERS 2002-2010 \*

PARTICIPATING SCHOOL DISTRICTS



### ALL SUBJECTS, ALL GRADE LEVELS

At the Summer Institute for Teachers, you'll learn practical techniques you can immediately use to inspire, involve and energize your students—time-tested techniques that develop enhanced reasoning and problem-solving skills. A background in art or design isn't necessary.

### TEACHERS TEACH TEACHERS

The faculty of the Summer Institute for Teachers includes public school educators who have earned a master's degree in Design-Based Learning from California State Polytechnic University, Pomona and who have successfully put this innovative approach to work in their own K-12 classrooms.

### **CAREER ADVANCEMENT & FOLLOW-UP SEMINARS**

A number of full-tuition scholarships, grants and group discounts are available. Teachers who complete the Summer Institute for Teachers' five-day program earn four semester units of credit. These units are transferable to the M.A. degree program in Design-Based Learning at California State Polytechnic University, Pomona.

### SUPPLEMENT YOUR CURRENT **TEACHING METHODS**

Design-Based Learning is not intended to replace the techniques you're using now. Rather, it gives you a powerful new methodology to help you present required concepts and reach various types of learners, including at-risk, gifted, ADD and ADHD students.

# **WORKSHOP**

Like Design-Based Learning itself, the five-day Summer Institute for Teachers workshop consists of engaging, hands-on activities designed to challenge and stimulate creativity and improve overall student performance.

# NO SPECIAL EQUIPMENT

Design-Based Learning doesn't

# District (USD)

# FUN, INTERACTIVE

# REQUIRED

require expensive materials. Paper, pencils, glue and recycled materials are all you need. As a result, Design-Based Learning programs in public schools are unaffected by textbook changes and budget reductions.

### Alhambra Unified School

### Azusa USD Slauson MS **Baldwin Park USD**

De Anza ES Holland MS

Olive Street ES Tracy ES (Dual Immersion) **Beverly Hills USD** 

Beverly Hills HS **Chaffey Joint Union HS** District

Montclair HS **Charter Schools** 

California Academy for Liberal Studies City Life Charter

CityLife Downtown Colony HS Charter Schools Community Day School

Da Vinci HS Dream Yard Los Angeles East San Gabriel Valley ROP/TC

Granada Hills Charter HS LA Academy of Arts & Enterprise

Opportunities Unlimited Charter School Pacoima Charter School Para Los Niños

Santa Monica Boulevard Community Charter School

South Western Academy Synergy Charter Academy El Monte USD

Cherrylee ES Columbia MS District HS

Durfee MS Le Gore ES

Rio Hondo MS Rosemead HS

Wilkerson ES Glendale USD

Cerritos ES Edison ES Mark Keppel ES

Glendora USD Goddard ES

Hacienda/La Puente USD Grazide ES

Newton MS Sierra Vista MS

Century HS Hollister USD Rancho San Justo MS Granada ES **Independent Schools** Alta Loma School District Carnelian ES Flintridge Prep

> Haven House Holy Family School Sacred Heart High School Sahag Mesrob Armenian

Valley HS

Wilson HS

Christian School Santa Teresita ES Sequovah School St. Patrick's School Diocese

Harvard-Westlake School

of San Diego Stephen S. Wise ES The Chandler School The Sycamores NPS The Waverly School

Village Glen School International Schools

Amerikan Lisesi (Izmir, Turkey) Space Craft Design Institution (Seoul, Korea)

Kuei Shan School (Taipei, Taiwan) Tianiin International School

(China) Tinian ES. PSS (Northern Mariana Islands)

La Cañada USD St. Francis HS Lawndale USD

Mitchell ES Los Angeles USD 24th Street ES

107th Street MS Belmont HS Birmingham HS Bridge Street ES John Burroughs MS

Castelar ES City of Angels HS Cleveland HS Columbus MS Daniel Webster MS

Delevan Drive ES Dorris Place ES Downtown Value ES Eagle Rock ES

Emelita Street ES School East Los Angeles Renaissance Academy

Euclid Avenue ES Fair Avenue ES Fremont HS Hobart Blvd. ES Hopper Avenue ES Huntington Drive ES Lincoln HS Magnolia ES Mayfield Academy HS

Markham MS Miramonte ES Mt. Gleason MS Multnomah ES Nightingale MS

Palms MS Pio Pico ES Pio Pico Span ES

Plasencia ES Pueblo De Los Angeles HS Reseda ES

Rosemont Ave. ES Rosewood Ave. ES San Pascual ES

Santa Monica Boulevard Community Charter South Gate HS

Svlmar HS Taft HS Toluca Lake ES

> T.S. King MS Wadsworth Avenue ES Walgrove ES

Washington Irving MS Washington Prep HS West Vernon ES Westchester HS

Westport Hills ES Wilshire Park ES Woodrow Wilson HS

Valley Alternative HS Valley Region ES #8 Virgil MS Lennox USD

Buford ES Lynwood USD Washington ES Montebello USD Cesar E. Chavez ES

Milpitas USD Rose ES Ontario Montclair SD

Kingsley ES Pasadena USD Aveson Charter School Cleveland ES Garey HS

Hamilton ES Jackson ES Jefferson ES John Muir HS Linda Vista ES Madison ES

Marshall MS/HS McKinlev Arts MS Norma Coombs MS

Noves ES

Washington Accelerated ES Webster ES Wilson MS

Pomona USD Allison ES

Pasadena HS

San Rafael ES

Sierra Madre ES

Alcott ES Barfield ES

Ganesha HS Garev HS Kingsley ES

Neil Armsstrong ES Washington ES Rancho Cucamonga USD

Alta Loma HS Rialto USD Rialto HS

**Rowland USD** Jellick ES

Nogales HS San Diego USD Curie ES

San Gabriel USD Jefferson MS San Marino USD

Valentine ES Santa Ana USD

Orange County HS of the Arts Santa Monica Malibu USD CDS

Olympic HS Saugus USD Plum Canyon ES Sierra Madre USD

Sierra Madre School Simi Valley USD Santa Susana HS

Tehachapi USD Monroe HS Torrance USD

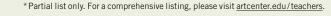
West HS **Walnut Valley USD** 

Chaparral MS Suzanne MS Whittier USD

Edwards MS Woodbridge USD (Connecticut) Amity Regional HS No. 5 Other

Art Center Graduate Media Design Program Moorpark College, VCCCD NATHA (Neighbors Acting

Together Helping All) Our Lady of the Lake University, San Antonio, Texas The HeArt Project





### SCHEDULE

5 DAYS

JULY 27-29 & AUGUST 1-2, 2011

8:30 AM-4:30 PM

Day 1 Wednesday, July 27

### INTRODUCTION TO

### **DESIGN-BASED LEARNING**

Learn to apply simplified design techniques to teach problem solving.

Day 2 Thursday, July 28

# TEST DRIVE DESIGN-BASED LEARNING ACTIVITIES

Experience hands-on activities for engaging students.

Day 3 Friday, July 29

# MAKE DESIGN-BASED LEARNING WORK FOR YOU

Apply national standards to curriculum, instruction and assessment.

Day 4 Monday, August 1

### LEARN TECHNIQUES FOR

### **ASSESSMENT**

Establish criteria for evaluating Design-Based Learning across the curriculum.

Day 5 Tuesday, August 2

# DESIGN-BASED LEARNING &

YOUR CLASSROOM

Develop an action plan for your classroom.

"Learning how to create hands-on experiences that connect students to the curriculum in a personal way, and at little or no cost, was invaluable to me."

Rebecca Caruso

Teacher Grades 4-5

Cleveland ES, Pasadena USD

### GENERAL INFORMATION

### FEES / CREDITS / DISCOUNTS

Fee includes cost of materials, curriculum guide and parking.

DBL-001-01 DBL-002-01 4 Semester Units Non-Credit \$680 \$500

<u>Single Participant</u> \$680 \$500 <u>Teacher Pair Discount</u>\* \$630 per teacher \$450 per teacher

### **REFUND POLICY**

To receive a full tuition refund, written notice of cancellation is required by July 22, 2011.

# GRANT OPPORTUNITIES FOR PASADENA UNIFIED SCHOOL DISTRICT TEACHERS

The Pasadena Educational Foundation (PEF) is a non-profit community organization that raises funds to support educational programs and teachers in the Pasadena Unified School District. PEF offers competitive grants to teachers for classroom projects and professional staff development. For information about the Teacher Grant Program, please visit pasedfoundation.org.

### **SCHOLARSHIPS**

Several scholarships are available. Applications from Title 1 schools will receive priority. To apply, please include the following with your application, which must be received by July 15, 2011.

- 1. A letter of support from your principal.
- 2. A brief (one page or less) description of how Design-Based Learning might contribute to your classroom.
- 3. To receive unit credit, submit a check payable to Art Center College of Design or credit card information with your registration form in the amount of \$180.

### LOCATION / DIRECTIONS

Art Center College of Design

South Campus

950 South Raymond Ave., Pasadena, CA 91105

For directions to Art Center, call 626.396.2246 or visit artcenter.edu.

### ADDITIONAL INFORMATION

Please contact Paula Goodman, Director, K-12 Programs:

Telephone: 626.396.2347

Email: K-12teachers@artcenter.edu
Website: artcenter.edu/teachers

Philanthropic support for the Summer Institute for Teachers has been generously provided by Art Center Partners, the Ford Motor Company Fund, the Hutto-Patterson Foundation and Washington Mutual.

### SUMMER INSTITUTE FOR TEACHERS

### REGISTRATION FORM

<u>Please complete the registration form below, including your signature</u>. Attach a check or money order in the exact amount payable to Art Center College of Design or supply the necessary credit card information, including signature, on the form. Cash cannot be accepted. <u>Registration will be confirmed by mail</u>. If you are applying for a scholarship, please refer to the scholarship guidelines.

Paying By Credit Card

Fax your registration form to: 626.396.4219.

Please call to confirm receipt:

626.396.2319.

**Registering By Mail** 

Send completed form & payment to: Design-Based Learning Lab Art Center College of Design

P.O. Box 7197

Pasadena, CA 91109-7197

Registering In Person

FOR OFFICE USE ONLY: RECEIVED

Submit completed form & payment to: Design-Based Learning Lab Administrative Office 950 South Raymond Ave. Pasadena, CA 91105 M-T, 10 am – 9 pm / F, 10 am – 5 pm

Last name	First		Middle	
Address			City	
State ZIP	Daytime p	phone	Evening phone	/ /
Email	Social security number		Birth date	,
Person to contact in an emerge	ency		Phone	
Grade level(s)			Subject area(s)	
School name			Years of teaching	ng experience
School address			School district	
School principal			School phone	
Information (optional)	<ul><li>Male</li><li>Female</li></ul>	<ul><li>African-American</li><li>Caucasian</li></ul>	<ul><li>Alaska Native</li><li>Hispanic</li></ul>	<ul><li>Asian/Pacific Islande</li><li>Native American</li></ul>
Courses (check one)	DBL-001-01 4 Semester Units	DBL-002-01 Non-Credit		
Single Participant	<b>\$680</b>	<b>\$</b> 500		
Teacher Pair	\$630 per teacher	• \$450 per teacher		
Scholarship Applicant	\$180	No payment required Name of other teacher(s)		teacher(s)
Total Enclosed	\$			
Payment	Check enclosed	<ul><li>MasterCard</li><li>Visa</li></ul>	<ul><li>Discover</li></ul>	<ul><li>American Express</li></ul>
Credit card number		Expiration date		Security code
Name on card	Billing address (as shown on credit card statement)			
City	State ZIP	Cardholder signature		
As a student of Art Cent	ter, I agree to abide by	all policies and regulations of	the College.	

Date

How did you hear about the Summer Institute for Teachers?

Signature

<sup>\*</sup>A special discount of \$50 per teacher is awarded to pairs from the same school.

 Art Center College of Design 950 South Raymond Avenue Pasadena, CA 91105 artcenter.edu/teachers

ADDRESS SERVICE REQUESTED

Nonprofit Organization U.S. Postage <u>PAID</u> Pasadena, California Permit No. 557

# 2011 SUMMER INSTITUTE FOR TEACHERS

# JULY 27-29 & AUGUST 1-2, 2011

- For K-12 Teachers in All Subject Areas
- Four Semester Units
- Five-Day Interactive Workshop Taught by Working Classroom Teachers





LEARNING

Time-Tested Technique Proven to Raise Test Scores

Highly Effective with ELL and Learning Disabled Students

Applicable to All California Standards

Reduces Teacher Burnout

No Special Classroom Supplies or Equipment Required



**AVAILABLE**