8th Annual Student Project and Research Symposium

Wednesday, May 2
Dear Students, Campus Colleagues and Community Friends:

For eight years now, it has been my great pleasure to welcome students, faculty, staff and the community together to celebrate the San Diego City College Annual Student Project and Research Symposium. This “Celebration of Student Excellence” is a campus-wide event recognizing the outstanding achievements of our students and the dedication of our faculty to student success.

Each year the Symposium exceeds its success from the previous year in attendance and participation. For 2012, more than 200 students representing more than 40 academic majors, showcase their best work through 70 poster presentations, numerous oral presentations, radio/TV excerpts, speeches, spoken work, performances, demonstrations, and Fine Art displays.

With projects titled “Supernormal Stimuli”, “Authenticity of Chocolate” and “Fibonacci Numbers: Nature & the Golden Ratio”, our students are researching and reporting on the real-life social, economic and political issues facing our nation today. Collaborating together, the City College Symposium melds the extraordinary efforts of faculty mentors and hard-working students to create a body of research work with endless possibilities for advanced studies across many disciplines.

The best is yet to be!

On behalf of our entire college, I commend the Symposium Committee, volunteers and staff for the planning and collective efforts in bringing this signature event to life for the campus and community to enjoy.

Sincerely,

Dr. Terrence J. Burgess, President
San Diego City College
Poster Presentations
- 9 a.m. – 2 p.m. @ Gorton Quad
- History Showcase
  Ongoing @ LRC

Oral Presentations
@ Faculty Lounge (Room D-121A/B)
- 9:15 a.m. * Opening PowerPoint (1 only)
- 9:35 – 11:00 a.m. * Communication Showcase:
  Radio, Television and Speech
- 11:10 a.m. – 1:00 p.m. * PowerPoints (continued)

@ Gorton Quad
- 12:30 – 1:30 p.m. * Spoken Word

Performances @ Gorton Quad
- 9:30 a.m. Martial Arts
- 10:00 a.m. Inspirational Song
- 10:15 a.m. Zumba & Hip-Hop Dance
- 11:30 a.m. History of Cosmetology Fashion Showcase,
  including Musical Performances

Fine Arts Demonstrations and Displays
- 9 a.m. – 2 p.m. @ Gorton Quad

University Representatives
- 10 a.m. – 1 p.m. @ Gorton Quad

Disclaimer: The goal of the Symposium Organizing Committee is to celebrate student excellence and promote undergraduate research awareness and interest among students, faculty, staff and administrators. The student presentations are designed to benefit the academic, intellectual and cultural development of the City College community. The Symposium presentations do not necessarily reflect the views of City College, the San Diego Community College District or the campus community that supports the educational achievement of students.
Dear City College Community and Guests:

It is with great pride that we welcome you to the 8th Annual City College Student Project and Research Symposium. Today you will tap deeply into the spirit of City College, and it is going to be a great experience for you. As a visitor, you will see, hear and feel the blossoming talents of many of our finest students, who have proudly brought their creative work to Gorton Quad to share with you - their college family and community friends. You will marvel at the discipline, dedication and hard work that have been invested in their projects. And you will be inspired by the enthusiasm and inventiveness that permeates every display and performance.

This Symposium will highlight a multitude of research questions, showcase inquiry, critical analyses and scholarship. What does the symposium represent to us at City College?

- First and foremost, a vibrant campus community actively engaged in the pursuit of knowledge, the research process, creativity and excellence.
- The breadth of experiences and opportunities available to students - whether they’re in physical or life sciences, mathematical pursuits or creative and performing arts.
- The inclusivity and diversity of our community.
- Our college commitment to student learning realized.
- Respect and support of our student achievements.
- A commitment to continue City College’s relationship with CUR.
- A realization that there are no boundaries on what individual students can either learn or become at City College.
- That there are no limits! This Symposium is but a first step for students as they continue their quest for knowledge and future achievement.

Today you will become an important player on our stage, in some ways as important as the presenters themselves! As proud as they may be about their work, you see, until today it has largely been unexpressed, unseen, unappreciated by others. And students, like any other performers, need to play to an audience. Indeed, it’s you – their audience, who gets to spark the real fun today, and ignite the joy of sharing, and fan the flame of pride and self-confidence. So please, everyone, jump right in and bring your excitement and enjoyment for all of us to share. Make it a point to pause often among the displays, introduce yourself to a proud but nervous presenter or performer, ask them about their work or future plans, and sprinkle a handful of compliments as you pass. Your applause will last them a lifetime!

We’re so glad you’re here - enjoy the Symposium!

**Symposium Organizing Committee:**
- Rafael Alvarez, MESA Program Director
- Heidi Bunkowske, Public Information Officer
- Misael Camarena, Professor of Mathematics
- Dotti Cordell, Dir. of Student Health Services and Co-Chair Inst. Assessment Comm.
- James Covalt, Professor of Chemistry
- Erin Engstrom, Professor of Communication
- Jaime Estrada, Professor of Spanish
- Farrell Foreman, Professor of English
- George Jessup, Professor of Mathematics
- Herald Kane, Emeritus Professor of Chemistry
- Francisco Moreno, Professor of Sociology
- Deanna Shelton, Professor of Communication
- Carol Withers, Professor and City College Librarian
San Diego City College was honored to be selected in 2008 by the national Council on Undergraduate Research (CUR) to participate in its Program on Institutionalizing Undergraduate Research – a program sponsored by the National Science Foundation. Participation in the CUR program has enabled City College to build upon existing research activities – including this Symposium, and broaden the institutional culture of research. One of only 64 schools selected nationally, City College is the only community college participating from the West Region.

With mentoring from CUR, a campus-based Undergraduate Research Collaborative (URC) has been created to promote undergraduate research awareness and interest among students, faculty and administrators. At City College, undergraduate research is defined as an inquiry or an investigation conducted by a student in collaboration with a faculty mentor. Undergraduate research provides opportunity for the intellectual growth of students via exploration and application of existing knowledge that may also lead to an intellectual or creative contribution to the discipline. City College is poised to increase opportunities for engagement in regional and national discussions of trends in higher education and new research directions, including partnering with other institutions and pursuing external funding. The ultimate goal is to have City College become a community college model for undergraduate research.

For more information on URC, please visit: www.sdcity.edu/support/urc

Our thanks and appreciation to our faculty mentors for supporting students in the pursuit of excellence.

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<th>Anthropology</th>
<th>Arnie Schoenberg</th>
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<td>Chicano Studies</td>
<td>Michelle Gutierrez</td>
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<td>Sarah M. Pitcher</td>
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<td>1. <strong>Creative Nonfiction &amp; Social Media</strong></td>
<td>Brandon Pleman</td>
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<td><strong>Mentor</strong>: Patricia McGhee - English</td>
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<th>2. <strong>Genetic Diseases</strong></th>
<th>Darla Castiglione</th>
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<th>3. <strong>Non Verbal Communication Reactions</strong></th>
<th>Alexis Loyola</th>
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<th>Danielle Gomez</th>
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<td>Erick Suarez</td>
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<th>Andres Sandoval</th>
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<th>6. <strong>Quinoa Miracle Grain</strong></th>
<th>J Girard Mohr</th>
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<td>Ismael Benavides</td>
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<th>7. <strong>Can Humor Styles Predict Political Ideology?</strong></th>
<th>Chandra Bryan</th>
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<th>Jay Evans</th>
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<td>Lisa Fuentez</td>
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<th>9. <strong>Service Learning</strong></th>
<th>Daniela Garcia</th>
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<td>Jeremy Ebidag</td>
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<th>10. <strong>Cannabis: Regulate or Not?</strong></th>
<th>John Mapu</th>
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<td>Monika Livermore</td>
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<th>Trisha Floor</th>
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<td>Veronica Rea</td>
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12. **Involuntary Processing Effects Character Rating of a Fictional Individual**  
   Colleen Piontek  
   *Mentor:* Penelope Mercer - Psychology  
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13. **Education in CA: What Can We Do?**  
   Leilani Ortiz  
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14. **Gendered Language Patterns in the Lesbian, Gay, Bisexual and Transgender Community**  
   Jillian Schat  
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15. **Restaurant: Profit/Loss Breakdown**  
   Letitia McGuinness  
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16. **Florence Nightingale Paved The Way**  
   Britny Grant  
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17. **Child Development**  
   Lisbeth Jaimes  
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18. **Hunter S. Thompson - When the Going Gets Weird the Weird Turn Pro**  
   Laura Gordh  
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19. **Studying the Universe**  
   Luis Molina  
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20. **The Relationship Between Education and Attendance to Places of Worship**  
   Jose Caballero  
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21. **Obesity**  
   Mariam Kadhem  
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22. **Caltrans - A Summer Internship Experience**  
   Angelica Rojas-Colin  
   *Mentor:* Rafael Alvarez - MESA Program  
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23. **Child Abuse**  
   Elizabeth Barrios  
   *Mentor:* Misael Camarena - Mathematics  
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<td>Jessica Aloisio</td>
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<td>Justine Portillo</td>
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<td>Daniella Dominguez</td>
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<td>Ashley Martinez</td>
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<td>Jose Penalozia</td>
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<td>Bianca Elisa Arellano</td>
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<td>Cassandra Leon</td>
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<td>Victor McInerney</td>
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<td>Benito Garcia</td>
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Omar Mendez  
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Major: Undeclared

49. **Exploring the World of Accounting**  
Alma Nava  
_Mentor_: Misael Camarena - Mathematics  
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50. **Correlation Between the High Incarceration Rates of African-Americans in the "War on Drugs" and HIV/AIDS**  
Stanley Jefferson  
_Mentor_: Penelope Mercer - Psychology  
Major: Psychology/Sociology/Child Dev.

51. **Navigating The Credit System**  
Maria B. Mata  
_Mentor_: Misael Camarena - Mathematics  
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52. **Native American Women**  
Stephanie Peinado  
_Mentor_: Patricia McGhee - English  
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53. **Teenage Pregnancy & Abortion**  
Diana Jimenez  
_Mentor_: Misael Camarena - Mathematics  
Major: Undeclared

54. **My Playstation 3 is a Player in Globalization**  
Nathan Cage-Schmierer  
_Mentor_: Sarah Pitcher - Sociology  
Major: Computer Science

55. **Talented Life: Omar Khayyam**  
Michael Netherly  
_Mentor_: Misael Camarena - Mathematics  
Major: Air Conditioning

56. **The Relationship Between Cardiovascular Exercise and Mood**  
Tanja Morales  
_Mentor_: Penelope Mercer - Psychology  
Major: Psychology

57. **Dance-Matics**  
Margarity Beltran  
_Mentor_: Misael Camarena - Mathematics  
Major: Undeclared

58. **Smoke Signals: A Signal of Change for Natives in Film**  
Wilfredo Barry Cabistan  
_Mentor_: Patricia McGhee - English  
Major: Economics

59. **American Disabilities Act**  
Samantha Tello  
_Mentor_: Misael Camarena - Mathematics  
Major: Undeclared

60. **You and Your Cell Phone**  
Yvette Molina  
_Mentor_: Penelope Mercer - Psychology  
Major: Psychology
61. **Breast Cancer**  
Miguel Gonzalez  
Major: Business Management  
*Mentor:* Misael Camarena - Mathematics

62. **A Heartbreaking Work of Staggering Genius**  
Meaghan Crookston  
Major: Film & English  
*Mentor:* Patricia McGhee - English

**History Showcase:** Research posters from Honors History of the U.S. II (History 110) will be on exhibit in the Learning Resource Center (Building R). Coinciding with the Symposium, the posters will be installed at 1 pm on Wednesday, May 2, and they will remain on exhibit through May 16.

Participating students:

1. Melissa Alles  
2. Laura Baeza  
3. Nina Bermudez  
4. Mark Caswell  
5. Alec Dempsey  
6. Brenda Garcia  
7. Case Griffiths  
8. Michael Gutierrez  
9. Robert Gwaltney  
10. Edward Honaker  
11. Alejandro Lopez  
12. Orlando Robles  
13. Katherine Snyder  
14. Marissa Whitfield  
*Mentor:* Susan Hasegawa - History
9:35 a.m. – 11:00 a.m. @ Faculty Lounge (Room D-121A & B)

**Communications**
- Professors Erin Engstrom and Deanna Shelton

**Radio/Television**
- Professors Laura Castañeda, Cy Kuchenbaker, and Bob Sly

### Documentary
- **Master Learner Series: Ceramics**
  by Aaron Hubner
- **Seeds at City – An Urban Film**
  by Dominique Gilbert

### Newsscene
- **Titanic Exhibit**
  by Annette Chacon and James Smith
- **Sign Flipper Controversy**
  by Jobeth DeVeria
- **Indian Dance**
  by Kayla Gomes and Alex Miller Pastore
- **Chopper the Dog**
  by Jennifer Hua

### Short Fiction Film
- **Valentines Victim**
  by Paul Giret, Martin Gomez, and Anthony Neustadt
- **Hindsight**
  by Geordie Dudley, Sasha Sogolow, Giana Flores, and Mitch Bovino

### Speech
- **Emotional Intelligence and Interpersonal Communication**
  by Eric Sean Sunico
- **The Lack of Engagement in the Political Process**
  by Anthony Gomez
- **Tipping in America**
  by Tiffany Sommers
- **Supporting our Deployed Service Members**
  by Hunter Cain
9:15 a.m. & 11:10 a.m. – 1:00 p.m. @ Faculty Lounge (Room D-121A & B)
Facilitator: Professor Erin Engstrom – Communications

9:15 a.m. – Opening PowerPoint preceding Communications Showcase

Service Learning
Leny Diaz                        Major: Nursing
Yeimi Figueroa                  Major: Criminal Justice
Nene Sanogo                     Major: Biochemistry
*Mentor*: Leslie Easton – Mental Health

11:10 a.m. – PowerPoints continue following Communications Showcase

Kony 2012
John Wilson                    Major: Political Science
*Mentor*: David Gauss - Sociology

Ethnography: Participant Observation of the Mutual UFO Network of San Diego
Catherine Tompkins              Major: Chemical Engineering
*Mentor*: Arnie Schoenberg - Anthropology

Democratizing the Middle East: The Emerging Issue of The Arab Spring
Maram Mahajna                   Major: Political Science
*Mentor*: Jelena Bodinet - Political Science

Domestic Violence in The Latina Community
Carlos Giovanny Hernandez Tapia Major: Biology
*Mentor*: Francisco Moreno - Sociology

A Scoop of Psychology
Vaya Boone                      Major: Psychology
*Mentor*: Misael Camarena - Math

War Photography
Charles Moreno                   Major: Psychology
*Mentor*: Patricia McGhee - English

Intercultural Communications
Karol Martin                    Major: Communication/Broadcast Media
*Mentor*: Deanna Shelton - Communications

Is Art Original?
Jeremiah Wessling                Major: Psychology
*Mentor*: Patricia McGhee - English

Undocumented Students: Their Struggle to Pursue a Higher Education
Diana Bahena                    Major: Psychology
*Mentor*: Michelle Gutierrez – Chicano Studies

Consequences of Fashion Allying with Globalization
Jessica Guerrero                Major: Sociology & Communications
*Mentor*: Sarah Pitcher - Sociology
The Mexican-American War
Rozita Khoshravan  Major: Undeclared
Herminia Niebla  Major: Undeclared
Mentor: Farrel Foreman - English

Surviving the Legacy of Suicide - A Memoir
Sahro Abdirahman  Major: Linguistics
Mentor: Patricia McGhee – English

Border Education
Marco Antonio Batani  Major: Communications
Mentor: Patricia McGhee - English

The Importance of Demographics in Understanding the Human Experience
Amberli Carrasco  Major: Undeclared
Ellora Nyhan  Major: Undeclared
James Thibault  Major: Fine Art
Mentor: Arnie Schoenberg - Anthropology

Soiled Doves 1800
Montserrat Rosales  Major: Nursing
Heidi Lopez  Major: Undeclared
Mentor: Farrell Foreman - English

Observation of Living Primate Behavior and Morphology
Betsy Peraza  Major: Biology
Milad Torabi  Major: Undeclared
Mentor: Arnie Schoenberg - Anthropology

Artwork Through their Eyes
Eric Loveday  Major: Graphic Design
Mentor: Patricia McGhee - English
12:30 p.m. – 1:30 p.m. @ Gorton Quad
Mentor: Professor Deanna Shelton - Communications

Spoken Word expressions from a variety of themes, including individual and group performances.
9:30 a.m. **Martial Arts**

- Individual Conditioning (PHYE 132)
- Self-Defense (PHYE 232)
- Kickboxing (PHYE 233)

*Mentor:* Professor Jim Colbert - Health and Exercise Science

10:00 a.m. **Inspirational Song** - Floyd Griffin

10:15 a.m. **Zumba & Hip-Hop Dance**

*Mentor:* Professor Ruby Wilson - Health and Exercise Science

11:30 a.m. **History of Cosmetology Fashion Showcase, including Musical Performances**

*Showcase Coordinators:* Hien Angleton, Brenda Comparan & Daniel Renteria

*Singers:* Cynthia Preclaro & Danielle Rowe

*Mentors:* **Cosmetology** – Professors Connie Calhoun, Patricia Jones, Sylvia Leon, Sudie Phillips and Kim Shaefer
9 a.m. – 2 p.m. @ Gorton Quad

Fine Arts: Crafts, Sculpture, Clay and Glaze Technology

Advanced Ceramics Demonstration and Display

- **Wheel Throwing** (ARTF 195B)
  Tom Andrews

- **Handbuilding**
  Dana Kim Ogburn (ARTF 197A), Jason Smithson (ARTF 197A) and Angela Drew (ARTF 197B)

- **Ceramics Exhibit**
  Tom Andrews (ARTF 195B), Robert Valdez (ARTF 195B) and Jeri Brandon (ARTF 195C)

*Mentor:* Professor Y.C. Kim – Fine Art

Fine Arts: Design and Drawing

**Design I (150A):** Eduardo Aguire, Saray Guerrero, Juana Villa Mendoza, Jessica Campos, Melodie Mestas and Andrea Mendoza

**Drawing I (155A):** Oswaldo Rosales, Victor Alvarado, Gerry Lynn Phillips and Vonetta Sanchez

**Drawing II (155B):** Andrew Marshall, Celina Vasquez, Suzy Koenigs, Dorian King, Shane Liston, Jon Jarvis, Carolina Dacy and Janet Hardown

*Mentor:* Professor Cynthia Lyons-Dailard – Fine Art

Fine Arts: Freehand Drawing II, Life Drawing and Painting

**Freehand Drawing II (155B)**
Adrian Carrillo and Nichole Movahedi

**Life Drawing I (210A), II (210B) and III (210C)**
Dorian King, Diana Adao, Martin Janes and Geomar Nichols

**Painting I (165A), II (165B) and III (165C)**
Galina Baklanova, Jamie Harrison, Veronika Glazunova, Nicole Lovell, Lauryn Kerutis, Adam Schmittauer, Greg Broadfoot, Nickles Pullins, Christine Kerr, Mia Cooksy, Brenda Ibarra, Gloria Casillas, Janeth Lacave, Lance Borowitz, Jay-Cee Fajota and Grace Manuel

**Independent Study**
Life Drawing: Ricardo Galvan and Joseph Sanchez
Painting: Victorio Villa Jr., Renz Balagtas, Michael Goggin and Bryan Sanchez

**Demonstrations**

*Mentor:* Professor Wayne Hulgin - Fine Art

www.sdcity.edu/symposium • 15
10 a.m. – 1 p.m. @ Gorton Quad

Invited Universities

Alliant International University  National University
Argosy University  San Diego Christian College
Azusa Pacific University  University of Phoenix
Chapman  University of Redlands
Columbia College  University of San Diego
Inter American College  Webster University

We wish to again thank all of the contributors to this event. We salute you! This program may not include some late additions and performances - unconfirmed at press time. We encourage you to stroll the grounds and seek out these fine later additions - and welcome them aboard!
The Symposium Organizing Committee would like to acknowledge the essential contributions made by students, faculty, staff and administrators to ensure the quality and success of the Symposium. We are grateful for everyone’s support and participation.

A special thank you to: Dr. Terrence Burgess - President of City College; Auxiliary Supported Projects (ASP); City College MESA Program; the Academic Senate as co-sponsor of the Symposium; Associated Student Government; Transfer and Career Center; Digital Print Department; Derrall Chandler and the Facilities Services Department; Sean Ryan, Eric Sandoval and the Multimedia Department; Outreach Office; Food Services Department; and Heidi Bunkowske from the Public Information Office.

We are also grateful for the support and guidance of the Institutional Assessment Committee in our collective efforts to both demonstrate and improve student learning.
8th Annual Student Project and Research Symposium
Gorton Quad @ San Diego City College
Wednesday, May 2, 2012

Oral Presentations: Communications Showcase & PowerPoints
(9:15 a.m. – 1:00 p.m.)

Poster Presentations
(9 a.m. – 2 p.m.)

San Diego History Showcase (in LRC)

University Reps
(10 a.m. – 1 p.m.)

Fine Arts Demonstrations & Displays
(9 a.m. – 2 p.m.)

Spoken Word
(12:30 – 1:30 p.m.)

Performances
(9:30 a.m., – 12 p.m.)

Info Table and Symposium Check-In

Poster Presentations
(9 a.m. – 2 p.m.)