

0209 Information Technology Academy2011 Annual Report

Section 1: Contacts**School**

School: Hoover High

Address: 4474 El Cajon Blvd., San Diego, CA 92115

School Principal

Name: Chuck Podhorsky

Telephone: 619-283-6281 E-mail: cpodhorsky@sandi.net

Academy

Name: 0209 Information Technology Academy

Year First Funded: 2003 Funding Source: General Funds Industry Sector: Information Technology

Academy Coordinator

Name: Angie Kania

Title: Academy Director

Telephone: 619-283-6281 E-Mail: akania@sandi.net

Academy Co-Coordinator

Name:

Title:

Telephone: - E-mail:

School Administrator Responsible for Academy

Name: Chuck Podhorsky

Title: Principal

Telephone: 619-283-6281 E-mail: cpodhorsky@sandi.net

District Coordinator

Name: Angela Croce

Telephone: 858-503-1750 E-mail: acroce@sandi.net

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Section 2: Academy Model

1. State funds provided by the partnership academy program are only used for the development, operation, and support of partnership academies.

Yes

2. Academy classes are restricted to academy students (academy pure classes).

Yes

3. Academy classes are scheduled in a cluster, whenever possible, to form a school within a school.

Yes

4. Indicate your school's schedule:

6 period day

5. Academy teachers volunteer and work as a team in planning, teaching and trouble-shooting program activities.

Yes

6. Lead teacher is provided extra prep period(s) or regularly scheduled release time for program development, implementation and improvement.

Yes

7. Source of Funding for extra prep period:

Academy grant funds

8. Academy teachers have a common planning period during the school day to exchange student and educational information.

Yes

9. Describe the academy-specific support systems and other strategies in the academy that assist students in meeting the desired student outcomes of increased attendance, increased academic achievement, and progress toward graduation.

Explanation: At Lunch and After School Tutoring through Gear Up, individual conferences and parent conferences, 10th and 11th grade mentor program

10. List the industry certifications that students can earn while in the academy program.

Explanation: Still in progress of establish A++ certification program.

11. List the academy's additional motivational activities with private sector involvement that encourage student academic and occupational preparation.

Explanation: Monthly luncheons with advisory board members, AOIT pep rallies twice a term, AOIT Academy Awards ceremony, private sector sponsored scholarship program, guest speakers, job shadows at Booz Allan Hamilton, Qualcomm, and Solar Turbines

12. The academy reaches out to students who meet at-risk criteria identified in the law with at least one-half of entering 10th grade students meeting the "at-risk" criteria.

Yes

13. Describe your recruitment strategies to inform and engage students that could be "at-risk".

Explanation: AOIT students and the coordinator visit all 9th grade classrooms to recruit students into the academy the following year.

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14. Students volunteer to participate in the academy.

Yes

15. Parent permission is obtained for student participation in the academy.

Yes

16. Integrated Curriculum: Give examples of how the career technical focus and academic applications are integrated throughout your academy courses and curriculum (i.e. project-based learning, integration of CTE into academic curriculum and/or academic standards into CTE, service-learning, etc).

Explanation: 11th grade team participates in a food justice and housing justice project working with the IRC, CASAS, and Legal Aide. This involves the English, Chemistry, GIS, and U.S. history courses. 12th grade students participate in Road Trip Nation involving the Multimedia, World Literature and Government courses.

17. Discuss academy successes during the past year.

Explanation: Students presented GIS materials to the San Diego City Counsel resulting in a change to a local city ordinance on urban farming. AOIT students one the CCTE Showcase championship in May 2012. AOIT Road Trip Nation videos win CCTE Showcase top award and are selected by PBS to be shown nationally in the Road Trip Nation Series.

18. Discuss academy challenges during the past year.

Explanation: Providing teachers with common preps (we were able to accomplish this for 2012-2013), all students meeting a-g requirements, all students at grade level in credits and passing all core content classes, providing internships for all 11th grade students.

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Section 3: Business and Community Partners

Company / Organization	Representative Name	Position	E-mail	Telephone
Qualcomm	Maggie Lowe	Public Relations	mmlowe@qualcomm.com	619-587-1121
Booz Allen Hamilton	Maryjane Loenard	Manager	leonard_maryjane@bah.com	619-725-6906
Corky McMillan	Dana Kuhn	Business Development	danakuhn@cox.net	619-573-9260
Junior Achievement	Tara Michener	Director of Education	tmichener@jasandiego.org	619-682-5155
Workforce Partnership	Erica Angure	Life Science Ed Coordinator	erika@workforce.org	619-228-2920
Hoover High School	Chuck Podhorsky	Principal	cpodhorsky@sandi.net	619-283-6281
City Heights Educational Collaborative	Tim Allen	Director	tallen@sandi.net	619-594-7179
City Heights Educational Collaborative	Kitty Gabriel	Technology Director	kgabriel@sandi.net	619-594-7179
Hoover Foundation	Larry Hall	Hoover Alumni	larryshall@yahoo.com	619-999-9999
International Rescue Committee	Various people Various people	volunteers	sandiego@rescue.org	619-641-7510
CASAS	Various People Various People	Volunteers	casas@casas.org	858-290-2900
Legal Aid San Diego	Various People	Volunteer Lawyers	unknown@legalaid.org	877-534-2524
College and Career Technical Education	Gail Lake	Information Technology Resource	glake@sandi.net	858-503-1758
College and Career Technical Education	Kimberly Eurich	CPA support	keurich@sandi.net	858-503-1758

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Section 4: Postsecondary Partners

Postsecondary Institution	Institution Type	Participation
City College	Community college	Field Trips, Job Shadowing, Curriculum Development, Course Alignment, Course Articulation, Dual Credit Courses, College Readiness Preparation, Advisory Committee
San Diego State University	Apprenticeship	Field Trips, Mentors, Internships, Curriculum Development, Tutors

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Section 5: Advisory Committee

Company / Organization	Representative	Position	E-mail	Telephone
Booz Allen Hamilton	Maryjane Leonard	AOIT Advisory President	maryjane_leonard@bah.net	619-503-1758

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Section 6: Courses and Curriculum
10th Grade Courses and Curriculum
Category: Academic 1
Title: Advanced English 3,4

Teacher: Kati Davis-Behumi

Discipline: English

A-G Status: B English

Dual Credit: No **Articulation Agreement:** Yes

Category: Academic 2
Title: Biology

Teacher: Larry Kaplan

Discipline: Science

A-G Status: D Laboratory Science

Dual Credit: No **Articulation Agreement:** Yes

Category: Academic 3
Title: English 3,4

Teacher: Kati Davis-Behumi

Discipline: English

A-G Status: B English

Dual Credit: No **Articulation Agreement:** Yes

Category: Career Technical 1
Title: Website Design

Teacher: Joe Paulson

Industry Sector: Information Technology

A-G Status: No A-G designation

Dual Credit: Yes **Articulation Agreement:** Yes

Description: This course provides a survey of basic website design that will include HTML and CSS coding, the history and the workings of the world wide web, a study of basic computer hardware and troubleshooting, website construction using Adobe Dreamweaver CS3, website usability and function, posting websites on the internet, search engine optimization, image editing with Adobe Fireworks CS3, color theory and graphic design.

Category: Academic 4
Title: World History

Teacher: Vicky Banks

Discipline: History

A-G Status: A History

Dual Credit: No **Articulation Agreement:** Yes

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11th Grade Courses and Curriculum

Category: Academic 1**Title:** American Lit**Teacher:** Lorena Gastelum**Discipline:** English**A-G Status:** B English**Dual Credit:** No **Articulation Agreement:** Yes**Category: Academic 2****Title:** US History**Teacher:** Mark Shadonix**Discipline:** History**A-G Status:** A History**Dual Credit:** No **Articulation Agreement:** Yes**Category: Academic 3****Title:** Chemistry**Teacher:** Larry Kaplan**Discipline:** Science**A-G Status:** D Laboratory Science**Dual Credit:** No **Articulation Agreement:** Yes**Category: Career Technical 1****Title:** Tech Support Services**Teacher:** Bryan Voeltner**Industry Sector:** Information Technology**A-G Status:** G Elective**Dual Credit:** Yes **Articulation Agreement:** Yes

Description: This course will explore workplace safety, customer relations, and help ticket documentation. Students will also learn basic computer operations, computer maintenance, basic troubleshooting, and virus protection. Students will also be introduced to network architecture and internet technologies, as well as careers in the IT industry. This course will prepare students for internships working at a helpdesk, or in a computer repair shop.

Category: Academic 4**Title:** Honors American Lit**Teacher:** Lorena Gastelum**Discipline:** English**A-G Status:** B English**Dual Credit:** No **Articulation Agreement:** Yes

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Category: Career Technical 2**Title:** Global Information Systems**Teacher:** Bryan Voeltner**Industry Sector:** Information Technology**A-G Status:** No A-G designation**Dual Credit:** Yes **Articulation Agreement:** Yes**Description:** Introduction to basic geographic concepts including map reading, coordinate systems, as well as map projections and scale. Introduce students to geospatial technologies such as Google Earth and Google Maps, the Global Positioning System, remote sensing, and Geographic Information Systems (GIS) using ESRI's ArcMap software. Prepare students to intern with businesses or non-profit entities that currently have, or are looking to incorporate, GIS technology**Category: Career Technical 3****Title:** Modern Media Marketing**Teacher:** Maria (Jessie) Contreras**Industry Sector:** Information Technology**A-G Status:** G Elective**Dual Credit:** Yes **Articulation Agreement:** Yes**Description:** This course will explore social networking, consumer behavior; practices of advertising and foundation, processes and goals of marketing in relation to internet and social media tools such as Twitter, Facebook, websites, email, moodle, blogging, ect. This course will prepare students for internships in a business setting and within the advertising field.**12th Grade Courses and Curriculum****Category: Academic 1****Title:** World Literature**Teacher:** Lorena Gastelum**Discipline:** English**A-G Status:** B English**Dual Credit:** No **Articulation Agreement:** Yes**Category: Career Technical 1****Title:** Multimedia Marketing**Teacher:** John Michener**Industry Sector:** Information Technology**A-G Status:** G Elective**Dual Credit:** Yes **Articulation Agreement:** Yes**Description:** Integration of digital media including computer graphics, video production, audio production, and animation into multimedia productions/presentations. Students work on Multimedia projects from concept (content gathering/research) to project completion (authoring/transmission), focus on the media needed by small and large companies for marketing and corporate communication purposes. Prepares students to deploy projects for community organizations and businesses.

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Category: Academic 2**Title:** Government/Economics**Teacher:** Vicky Banks**Discipline:** History**A-G Status:** A History**Dual Credit:** No **Articulation Agreement:** Yes

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Section 7: School-District Match

A. Average non-academy class size	35
B. Average academy class size	28
C. Average school district teacher cost per teaching period	12,000
D. Academy periods	25
E. Extra Preparation Periods	2
1. Cost for reduced academy class size total	\$84,000
2. Cost for instructional assistants/clerical support	(None)
3. Cost for verifiable administrators/counselors time working	\$7,500
Explanation: .15% of counselor's time spend exclusively on AOIT students	
4. Cost for staff development	(None)
5. Cost of other forms of school site or district support	\$5,000
Explanation: District cost for AOIT to use bus and driver for field trips.	
Total Match Required	\$81,000
Total Match Calculation	\$96,500

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Section 8: Business-Community Match**1. Estimated value of Advisory Committee meetings.****Formula: (estimated hourly cost per member x number of members x hours per meeting x number of meetings.)**

Amount: \$9,000.00

Computation 9 meetings times 1.5 hours times 10 members times \$75.00 per hour

Explanation:

2. Estimated value of classroom speakers.**Formula: (estimated hourly cost per speaker x number of speakers x avg. hours per speaker.)**

Amount: \$3,000.00

Computation 20 hours of speakers time and preparation, times 2 speakers each times \$75.00 per hour

Explanation:

3. Estimated value of activities involving business (e.g.: job shadowing.)**Formula: (estimated hourly cost per business representative x hours.)**

Amount: \$15,000.00

Computation 50 hours times 4 business people times \$75.00

Explanation:

4. Estimated value of mentors.**Formula: (estimated hourly cost per mentors x hours involved in mentoring.)**

Amount: \$30,000.00

Computation 40 icouldbe.org mentors times 10 hours per year times \$75.00 per hour

Explanation:

5. Estimated value of field trip/study tour.**Formula: (estimated hourly cost per host/tour guide x hours involved.)**

Amount: \$3,000.00

Computation 20 hours of field trip activities, times 2 business people times \$75.00 per hour

Explanation:

6. Estimated value of internships.**Formula: (estimated hourly cost per internship supervisor/trainer.)**

Amount: \$22,500.00

Computation 100 days of interns, times 3 hours, times \$75.00

Explanation:

7. Estimated value of other business partner activities, such as teacher internships, community service, etc.**Formula: (estimated hourly cost per business partner activity.)**

Amount: \$450.00

Computation Luncheons with students 3 times a year is 6 hours times 2 business people times \$75.00

Explanation:

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8. Value of other activities/business contributions not mentioned. Briefly describe activities/business contributions and any computations below.

Amount: \$0.00

Computation: None available

Explanation:

Total Match Required from Business Partners (calculated from student data):	\$81,000
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Total Match from Business Partners (calculated from 1 - 8 above):	\$82,950
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Section 9: Student Data Summary

Grade Level:	Grade 10	Grade 11	Grade 12
Number of Students Funded:	41.0	51.5	59.0
Maximum Grant Amount:	\$81,000		
District Match:	\$96,500		
Business Match:	\$82,950		