

# Building an Academy Family

Strategies and Structures that  
Can't Fail

# What do you hope to get out of today?

- Audience goals/focus points
- Powerpoint can be found online if you want to come back to any of these slides.



# Building an Academy Family- Strategies and Structures that Can't Fail



What is the main reason you feel that kids join your academy?

1. The pathway is their dream
2. Friends
3. Reputation
4. Field Trips
5. Work Experience
6. Teachers



I want to be a \_\_\_\_\_ when I grow up!



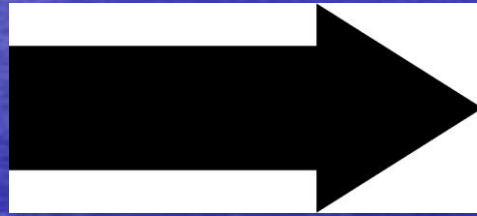
# Winglets



How do you get from where you are now, to where you want to be?

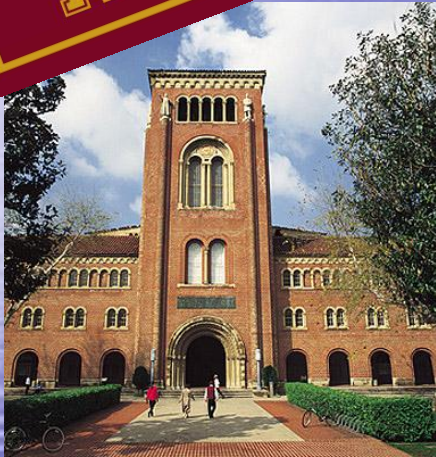


# Setting the Vision





# Colleges



# San Diego State University





According to a survey done by Kaplan, what percentage of admissions officers “use Facebook to recruit perspective students”?

1. 95%
- ✓ 2. 82%
3. 61%
4. 44%
5. 24%

# Student Bonding

- T-shirts
- BBQ's, teacher/student sports
- Movie Nights
- Makerspace, clubs, competitions
- Community service
- Integrated Projects
- Homeroom activities







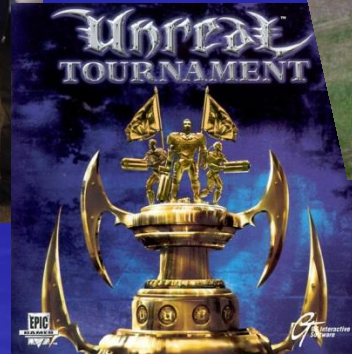
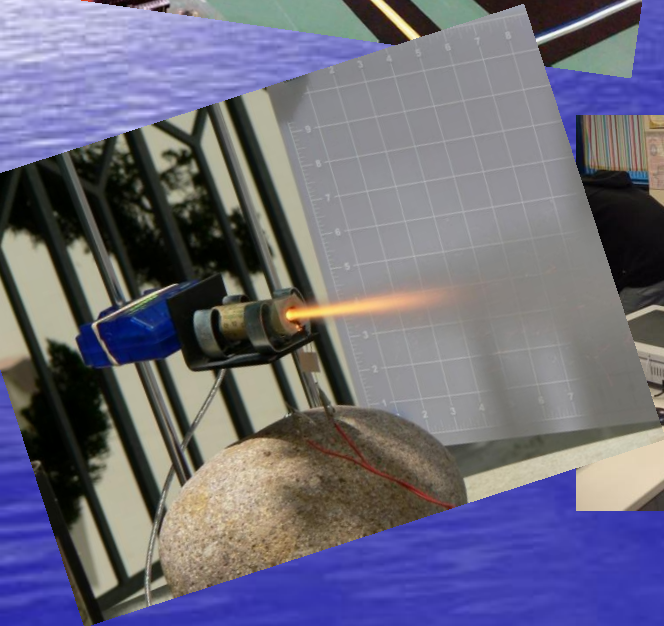








# After School





# Makerspace



# Community Service





# Other Community Service



- Breast cancer walk
- Keeping our campus clean
- Drives for the Home for Abused Women
- Coaching in MakerSpace
- Science Fair
- Salute to Youth booth
- College Information night
- Wounded warrior
- Ghana



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# Integrated Projects



# Downhill Derby

*Today's Topic:*

*The Effects of Shape  
and Changing Mass on  
Gravitational Acceleration*

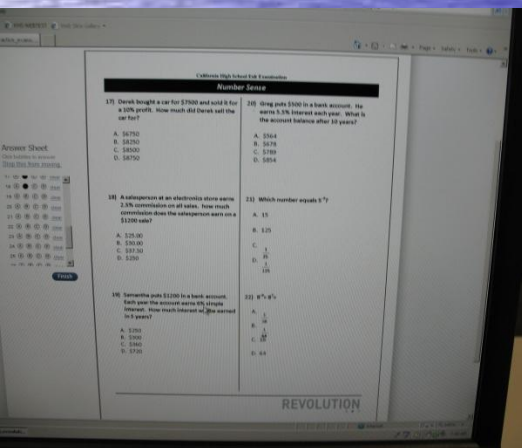
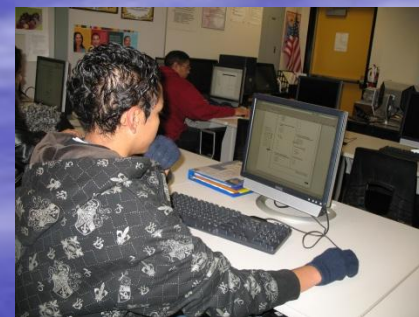




# Homeroom Activities



- Campus cleanup
- Charity drives
- Competitions (Grades, Assignments)
- Pancake Breakfasts
- CAHSEE Prep
- Grade Counseling
- Resumes
- 4 years w/Academy teachers
- Mentors



# Character Molding

- Academic
  - CAHSEE Prep
  - Resumes
- Mentoring
- Community Service
- Fund Raising
- Leadership Building



# Mentoring

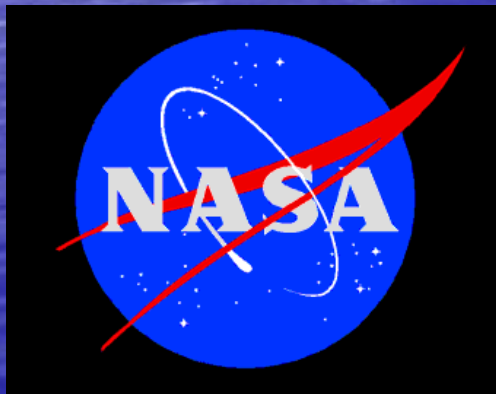


Counselors

Teachers

Community  
Leaders

Peers



LOCKHEED MARTIN



**NORTHROP GRUMMAN**

# Leadership

Holocaust Competition

Lego Mini-Urban  
Challenge

Rocket Competition

No Rules Derby

Music Center Awards

Photo Chop

MakerSpace Challenge

UAV Challenge





How often does your entire academy teacher team meet in a month?

1. 1

2. 2

3. 3

4. 4

5. 5

6. More than 5

# Building a Teacher Family

## DIGITAL DESIGN AND ENGINEERING ACADEMY TEACHERS

SATURDAY, FEBRUARY 5, 2011

### ActivInspire, Camtasia Studio, Website, HP Touchscreen

I'm just learning how to use ActivInspire so that all students benefit. Right now it feels like a more powerful PowerPoint, however, that does the software an injustice. It's been a year since trying to create a video for students who miss a lecture. This video was done on my HP Touchscreen. The recording software was Camtasia Studio. The video was uploaded to YouTube and linked here as well as on the website [www.thechembook.com](http://www.thechembook.com) (in the activity stream). It'll be uploaded to chemvideos.com eventually.

Please let me know if you would like to record some of your material for students. I'd be glad to work with you.

Sorry about 'the blast' at the beginning. I was learning the software and too lazy to re-record.

YouTube Version

ChemVideos.com Version

#### Lesson 102: Molar Mass

What is the molar mass of sucrose,  $C_{12}H_{22}O_{11}$ ?

$$12(12.01 \text{ g/mol}) + 22(1.01 \text{ g/mol}) + 11(16.00 \text{ g/mol})$$

DIGITAL DESIGN AND ENGINEERING ACADEMY

The I... Acad... reform... smaller k... care... compo... academic... education... committed... active busin... partnerships... placed on stud... positive post... Academics hav... evaluated and... positive impac... performance. The... standards-based a... career-technical curri... ingredient. Students... distinct career pathwa... well as core classes the... those pathways. Caree... include: Engineering (the... application of scientific prin... design or develop struct... machines, apparatus, o... manufacturing processes). Video and Broadcasting Production, Graphic Design (book and





Which one of the following did students say brought them closest to others in the academy?

1. Movie nights
2. Common classes
3. Clubs
- ✓ 4. Field Trips
5. Comm. Service
6. Homeroom

Pulling it all Together!

So what comes of an  
academy that feels like a  
family?



# Digital Design and Engineering Academy Academic Performance

## California High School Exit Exam (CAHSEE)

Academy Passrate ELA	93%	Academy Passrate ELA	96%
Schoolwide Passrate ELA	78%	Schoolwide Passrate ELA	80%
Academy Passrate Math	93%	Academy Passrate Math	96%
Schoolwide Passrate Math	72%	Schoolwide Passrate Math	78%

27% of all Perfect scores on CAHSEE Math school wide came from academy students, even though they only represent 6% of students tested.

\* ~60% of academy students met State definition of “at risk” when entering academy.

\*Data indicates student’s performance on first attempt.

## Academy CST Tests vs. School wide Avg. in Academy Core Courses

English 10 +33.1

English 11 +31

World History +51.9

U.S. History +50.8

Chemistry +23.7

Physics +17.5

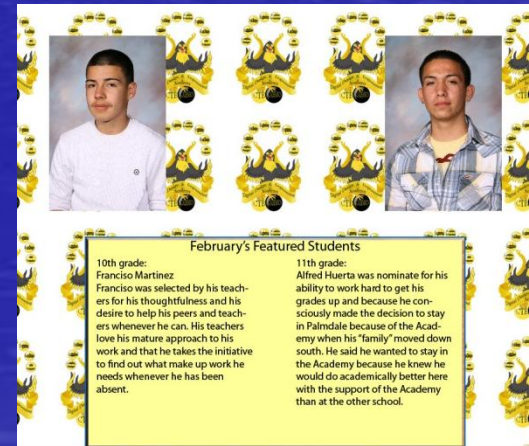
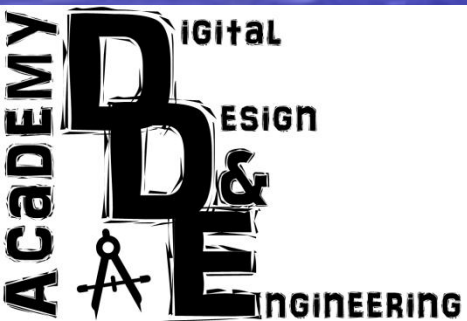
Geo.&Alg.II +19.1

# More Success

- Greater Core Class achievement
- Lower student attrition and higher graduation
- Distinguished graduation with Academy Stoles
- Work Experience/Internships
- Greater college acceptances
- Lifetime of stories as the vision towards achieving their dreams becomes one step closer!



California High School Exit Examination




## February's Featured Students

10th grade:  
Francisco Martinez  
Francisco was selected by his teachers for his thoughtfulness and his desire to help his peers and teachers whenever he can. His teachers love his mature approach to his work and that he takes the initiative to find out what make up work he needs whenever he has been absent.

11th grade:  
Alfred Huerta was nominate for his ability to work hard to get his grades up and because he consciously made the decision to stay in Palmdale because of the Academy when his "family" moved down south. He said he wanted to stay in the Academy because he knew he would do academically better here with the support of the Academy than at the other school.



Questions, Comments,  
Concerns?



# The End

