



CENTER FOR ADVANCED RESEARCH AND TECHNOLOGY

A regular meeting of the Board of Directors of the Center for Advanced Research and Technology (CART) was held on Tuesday, December 8, 2009 at 4:00 p.m. in Room N102 located at 2555 Clovis Avenue in Clovis, California.

Vice Chairman Richard Lake called the meeting to order at 4:05 p.m.

CALL TO ORDER

ROLL CALL

Table with columns: BOARD, ASADOORIAN, CASH, FORTUNE, FROST, HANSON, LAKE, SANDOVAL, STAFF, FISHER, FORBES, CHUTE, JOHNSTON and months: August, Sept., Oct., Nov., Dec., Jan., Feb., March, April, May, June.

At 4:06 p.m. the Board convened to Closed Session to discuss Personnel Matters as authorized by Government Code §54957, subdivision 54954.5.

CLOSED SESSION

At 4:15 p.m. the Board reconvened. Chairman Fortune reported that no action had been taken during Closed Session and there were no items to report to the public.

RECONVENE

MSCU [Hanson/Frost] to approve the November 10, 2009 regular Board meeting minutes as submitted.

APPROVAL OF MINUTES

MSCU [Frost/Hanson] to approve the December 8, 2009 agenda as corrected deleting Agenda Item D, Student Presentation – Alumni Perspective. The Alumni Perspective is a video that will be shared during the Information portion of the agenda, listed under Agenda Item I-3.

APPROVAL OF AGENDA

CONSENT

MSCU [Cash/Hanson] to approve the consent agenda as submitted.

CONSENT AGENDA

Approved purchase orders from November 6, 2009 through November 30, 2009 and warrants numbered 435869-435877; 436218-436226; 436639-436652; and 437092-437097.

Approved the following conference requests.

CONFERENCE REQUESTS

January 15-20, 2010

California League of High Schools Conference, Monterey, California
Jeanne Escalera – Presenter; Staci Bynum – Presenter; Beth Wielicki – Presenter
Funding Source: ROP and JPA Budgets

January 20, 2010

Exemplary Practices in Education Conference for Educational Leaders with Bill Daggett [CVELI Training]
John Forbes, Dean of Curriculum and Instruction; Tina Chandler, Instructor, Multimedia Lab; Jon Collard, Instructor, Interactive Game Design/Network Management & Product Development Labs; Matt Jordan, Instructor, Biomedical Engineering Lab; Jill Rossetti, Instructor, Forensics Lab; and Courtney Somers,

Instructor, Law Lab
California State University, Fresno – 8:00 a.m. – 2:30 p.m.
Funding: CART Budget/ROP Budget

**CONFERENCE
REQUESTS, CONT'D.**

ACTION

Susan Fisher reviewed the 1st Quarter Interim Financial Report and advised Board members that page 6 should be switched with page 25.

**1ST QUARTER
INTERIM
FINANCIAL REPORT**

MSCU [*Cash/Sandoval*] to approve the 1st Quarter/Interim Financial Report as submitted.

Susan Fisher displayed the CART T-Shirt which is available to students for \$12.00 [\$5.00 profit for CART] and the CART sweatshirt that is available to students for \$25.00 [\$6.00 profit]. These items are available for sale to CART students; parents and alumni and the profits from the sales will be deposited into the Foundation account to be used for CART scholarships and lab supplies.

CART FUNDRAISING

MSCU [*Frost/Hanson*] to approve CART Fundraising activities as outlined.

MSCU [*Hanson/Frost*] to authorize the CART staff and students to open a student store to sell CART apparel and other items to raise funds for the CART Foundation.

**AUTHORIZATION
FOR STUDENT
STORE**

INFORMATION

Board members were advised that copies of the Audit Report would be provided prior to the January Board meeting and the Board will need to take action to approve the Audit Report at the January 12, 2010 meeting.

AUDIT REPORT

Susan Fisher shared information regarding the Career Technical Education [CTE] Construction Projects Bid. Two meetings have been held at CART for potential contractors to look at the logistics of the project – bids will be opened on December 14, 2009 and Clovis Unified School District will take action on that contract at their meeting to be held January 6, 2010. The CART Board will be asked to approve the CTE Remodel project at the January 12, 2010 meeting. We anticipate the project beginning in February 2010 and hope to complete it by August 2010. Construction will begin with the add-on portion and then the remodeling of the inside of the classroom will begin sometime in May when we have fewer students attending.

**CTE
CONSTRUCTION
PROJECT BID**

Susan Fisher shared the Alumni Perspective Video. Susan Fisher stated that former students often return to CART and rave about the program so we have taped some alumni students and captured their thoughts about CART and how it has helped them in their post-secondary education. Alex Cogdale, Class of 2002 is now at Harvard Medical School; and Michael Moya, Class of 2001, who will finish medical school in a couple of months. We hope to continue to capture more alumni vignettes to add to the video.

**ALUMNI
PERSPECTIVE
VIDEO**

Dr. Cash suggested that we obtain the alumnus permission to post them on the CART web site.

Susan Fisher shared the video compiled by Connect Ed. Connect Ed is doing a series of stories about students who are finding their way, focusing on project-based learning and career focused education. Connect Ed contacted CART to do some filming. Connect Ed is planning five separate stories and this is the third in the series that they will be showing throughout the State. Mrs. Fisher reported that the videographer that did the filming spent the entire day going from lab to lab to acquire even more footage for a film they are putting together entitled, "What is Project-Based Learning?"

**CONNECT ED
VIDEO**

1 Richard Lake noted the transformation that takes place in students' lives at
2 CART and stated what a shame that funding is not available to build several
3 more CART schools, stating that it appears that project-based learning is a
4 light switch for most students.

5 Superintendents Cash and Hanson agreed stating that more project based
6 learning is needed for more students.

7 Richard Lake stated that seeing the video testimonies of students makes one
8 really appreciate serving on the CART Board. Richard Lake suggested the
9 videos be shown to potential CART students.

10 Cathy Frost suggested the videos be shown to teachers in both school
11 districts to see how teachers would react.

12 Superintendent Hanson responded, "I cannot state it enough – integrating
13 instruction is very difficult and across the State in our schools teachers do
14 not know the course content well enough to integrate."

15 Susan Fisher agreed and further stated that the teachers also have to be team
16 players in order to make it work.

17 John Forbes reported on the following matters.

18 January 6th Staff In-service

19 Guest speakers Mike Dozier, Interim Director, Office of Community &
20 Economic Development; and Blake Konczal, Director, Fresno County
21 Workforce Investment Board; have been confirmed to address the staff.
22 Labs will also present their action plans to each other as part of the cycle of
23 continuous improvement. Some examples are improved note-taking in the
24 Multimedia Lab; college applications in the Interactive Game Design Lab;
25 and a focus on board room behavior and professionalism in the Law Lab.

26 Cal-Pass Professional Learning Councils for English/Language Arts

27 A few CART English teachers attend the Cal-Pass monthly meetings. The
28 goal of these meetings is to implement an "Innovation Idea" which helps
student transition from high school to higher education.

James Irvine Foundation Grant

CART has received an extension on the James Irvine Foundation grant.
The previous deadline was December 1, 2009 and the new deadline for
submission of the final report is June 1, 2010. The delay was due to
coordination of data with the Cal-PASS program.

CART Robotics Team

The CART Robotics Team competed at West Hills College during the
weekend of December 5th. The team came in 1st place at the competition,
finishing ahead of a junior college team from the College of the Sequoias.

Susan Fisher reported on the following matters.

End of Semester

The semester ends on December 18, 2009. We are racing toward the finish
line preparing for Showcase on Thursday, January 14th. Invitations will be
emailed to each Board member. All CART students participate in
Showcase. The times are 8:30-10:00 a.m.; 1:30-3:00 p.m. and 6:00-8:00
p.m., and the building is closed from 4:00-6:00 p.m. for judging. Showcase
has been underwritten by the Sierra Vista Mall for several years and we
hope they will sponsor the event again this year. The Sierra Vista Mall has
been selected by the Fresno Compact to receive the Fresno Compact
Award.

STAFF REPORTS

*Dean of Curriculum
& Instruction*

Chief Operating Officer

Recruitment Calendar

Susan Fisher reviewed the recruitment calendar which had been included in Board members’ packets.

Michael Hanson stated that it would cut down on a lot of time if teachers involved in recruiting would show the videos that were shared during tonight’s meeting and also suggested that students might sign a contract to be future students at CART.

Michelle Asadoorian agreed stating that the students themselves sell the CART program.

Enrollment Report

Susan Fisher reviewed the enrollment report showing that CART’s current enrollment is at 1,372 which is higher than last year at the same time.

Michael Hanson and Cathy Frost commented, “That is fabulous!” Superintendent Hanson reiterated, “Focus on that – I said that is fabulous – really good work!”

Current Enrollment

CLOVIS AM	FRESNO AM
Buchanan 112	Bullard 91
Clovis Christian 1	Cambridge 0
Clovis East..... 90	Edison..... 88
Clovis High..... 99	Fresno High..... 42
Clovis North 16	Hoover 52
Clovis West 67	J.E. Young 5
Enterprise..... 1	McLane..... 28
Gateway 1	Roosevelt 40
	Sunnyside 30
Total CUSD AM 386	Total FUSD AM..... 376
CLOVIS PM	FRESNO PM
Buchanan 50	Bullard 39
Clovis East..... 78	Cambridge 5
Clovis High..... 154	Edison..... 12
Clovis North 12	Fresno High..... 24
Clovis West 63	Hoover 29
Enterprise..... 2	J.E. Young 2
Gateway 4	McLane..... 27
	Roosevelt 60
	Sunnyside 49
Total CUSD PM 363	Total FUSD PM 247
GRAND TOTAL 749	GRAND TOTAL 623

Pilot Group Data

Susan Fisher reviewed the Pilot Group Data noting that one student dropped and the home school reported that student moved to Madera. Some of the students in the pilot group just are not getting it.

Michael Hanson responded that even though some of the students in the pilot group are not being as successful as we had hoped, there is still a lot of good news with regard to the improvement in attendance and performance of the students in the pilot group.

School	Lab	Absences	CAHSEE ELA	CAHSEE Math	Grades Nov.	Grades Dec.
Hoover	Env.	8	N	Y	CCCC	CCCC
Bullard	Law	19	N	N	FDDC	FDDC
Bullard	Law	24	N	N	FDFC	FFFC
Sunnyside	Env.	16	Y	Y	CCDD	CDDA
Sunnyside	Finance	13	Y	Y	CCDD	CCDC
Hoover	Law	6	Y	Y	CCDA	CCDA
Roosevelt	Marketing	25	Y	Y	CCCB	CCCB
Hoover	Env.	7	Y	Y	DDDC	DDDC
Sunnyside	Env.	18	Y	Y	BCDA	BCDA
Edison	Finance	1	Y	Y	CCCB	CCCB
Sunnyside	Env.	7	N	N	BCDA	BCDA
Cambridge	Bioeng.	45	Y	Y	DFCD	DFDD
Fresno	Law	29	N	Y	DFDC	DDDC
Sunnyside	Law	28	Y	Y	DDDC	DDDC
Roosevelt	Marketing	12	Y	Y	CCCC	CCCC
Bullard	Finance	13	Y	Y	CDDD	CDDC
Sunnyside	Finance	18	Y	Y	DDDD	DDDD
Sunnyside	Finance	12	Y	Y	CCCC	CDDC
McLane	Marketing	20	N	Y	FDCC	DDCC
	Psych	30	Y	N	ACFA	DFFA
Bullard	Marketing	2	Y	Y	CCBB	CCBB
Hoover	Law	12	Y	Y	CCCA	CCCA
Bullard	Law	9	Y	Y	CBCA	CBCA
Sunnyside	Law	45	Y	Y	DDFD	DDDD
Hoover	Finance	4	Y	N	CCDC	CCDC
Cambridge	Marketing	11	Y	Y	DDCC	DDCC
Cambridge	Network.	36	Y	Y	FBBC	FFFF*
J.E. Young	Env.	61	Y	Y	BCCA	BCCA
Fresno	Env.	12	Y	Y	ABBA	ABBA

*Student dropped CART and Cambridge – moved to Madera.

CART Brochure

Susan Fisher shared a copy of the CART brochure that was designed by the CART Multimedia Lab students.

Members of the public were given an opportunity to address the Board. There was no one present to address the Board.

The meeting adjourned at 4:57 p.m.

Respectfully Submitted,
Larry Fortune, Chairman, CART JPA Board of Directors

CART: 12.8.09.ac

**STAFF REPORTS,
CONTINUED**

*Chief Operating
Officer*

**PUBLIC
PRESENTATIONS
ADJOURNMENT**