

CS CIA Meeting Sept 15, 2011

NEXT Meeting: December 6

Use CIA as the reason on subfinder

Group Norms:

1. Everyone Participates and has an opportunity to participate
2. Share, respect comments and ideas and compile them together
3. Stay focused on the overall vision and the task at hand
4. Constructive criticism is welcomed
5. Use technology in all meeting responsibly
6. Practice being open minded
7. Punctuality and time management is essential
8. Keep lines of communication open and active
9. Build a community of practice through sustained communication

Roles:

1. Share and listen with a lens for the whole district
2. To communicate in an organized way with CIA members
3. Engage other staff at site and district on CS topics
4. Institutionalizing computer science as a core choice
5. Communicate the importance of technology in education
6. Advocate for technology literacy for all students
7. Piloting a course at my site and getting this group to use technology to collaborate
8. Innovative strategies for technology usage in schools
9. Going green by utilizing up to date technology and using it across the curriculum
10. Help build curriculum
11. We are the link between the site and the district using the PLC model

Responsibilities

1. Present computer Science ideas to core subjects
2. A messenger and trainer for staff development
3. Communicate and develop pathways and population to computer science
4. Share our curriculum with each other
5. Build a strong and sustainable technology literacy program at site
6. Communicate with principal what is going on with CIA CS
7. To attend CIA meetings and increase my technological skills
8. Having resources and tools available to staff member once CS core is decided
9. Communicate to staff creativity in technology is just as important as other subjects
10. Work as a lens or a conduit to exposing our students to opportunity at other colleges
11. To collaborate with CIA and core academics staff for connections and projects

Beth Simon teaches Intro to Computing at UCSD
Develop a new AP CS Course - AP CS Principles
Major Grants supporting this
UCSD / SDSU will give course credit until it gets AP approval
Get course G status

Why a new AP Course

- Need to define “general education” computing skills necessary for all college graduates to contribute in today’s society
- NOT just a CS course for CS / Math / Science Majors
- Less than 1% of incoming college students are interested in computing
- By 2018, 57% of all new STEM jobs will be in computing

Goals

- A general Ed course for ALL College Graduates (HS in the near future)
- Attract more students to major in computing

What is actually taught in this class?

- Alice
- Applications (Excel)

Focus on this class in on development of life-long computational thinking skills

- Usable in many situations
- Support skill in all computer applications

In Alice - you experiment, try a line of code see what it does... you cannot make a mistake... no errors

Everything you do is visible

In the UCSD class they use clickers and peer instruction

5 teachers piloting in San Diego

Oceanside

Lincoln

Valhalla

Grossmont

Mira Mesa

All lectures on line to watch

<http://podcast.ucsd.edu>

Winter 2011, CSE3

All Materials at

- <http://csprinciples.org>
- For access to ppt of lectures, eMial bsimon@cs.ucsd.edu
- Or Joe Pistone

SUHSD Computer Type Courses

We saw a list of about 40+ courses that we offer in our district that are some type of computer course. Here is the place to find the SUSHD course list -

http://curriculum.suhsd.k12.ca.us/index.php?option=com_content&view=article&id=83&Itemid=97

SanDiegoCSTA

CS Principles Course

Again we are looking to pilot this course at 5 (or more) locations in our district next school year (2012-2013)

Course Status Inventory

<https://docs.google.com/spreadsheet/viewform?formkey=dFJSVzA3WGUtNnM2ajdxRS1aaDBBNFE6MQ>

or <http://tinyurl.com/CSCIAQs>

Resources

Realtime Web-Based Text Collaboration

EtherPad - <http://ietherpad.com/Gc0KAsTva0>

Google Docs -

Classroom Response Systems

<http://www.polleverywhere.com/my/polls#!/my/polls> - web-based

We used iClickers from UCSD they have a web-based solution as well

<http://www.unidata.ucar.edu/events/2009UsersWorkshop/pdfpresentations/samson.pdf>