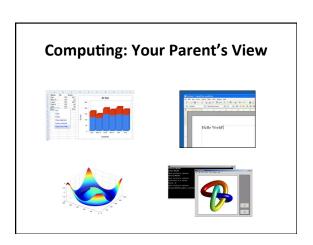


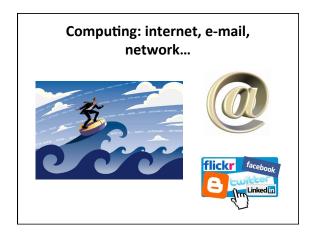


Class Lottery

- Make sure to sign-in your name.
- If you are not "in" the lottery, indicate that. We will contact you by e-mail as soon as we have confirmation from other students.

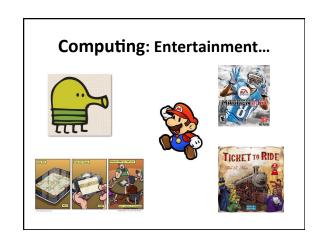
What is Computing?

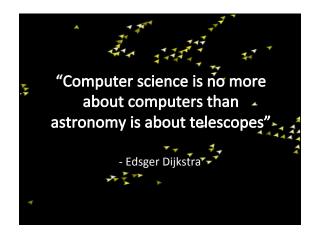




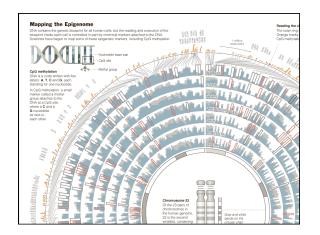








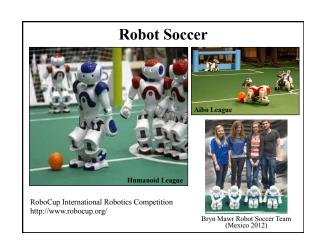
Cutting Edge Computer Science

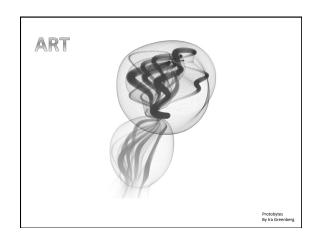


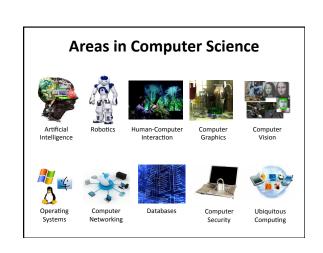
Google's Autonomous Car Nevada made it legal for autonomous cars to drive on roads in June 2011

 California introduced a similar bill in Aug 2012









What is Computer Science?

Computer science is the study of solving problems using computation

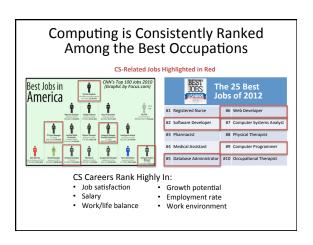
 Computers are part of it, but the emphasis is on the problem solving aspect



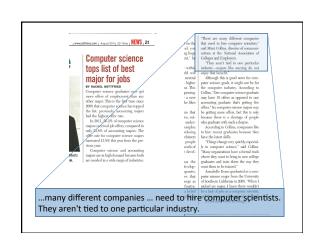
Computer scientists work across disciplines:

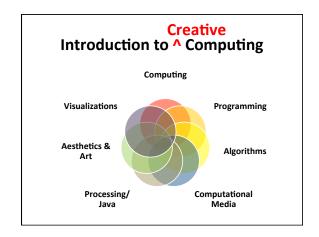
Mathematics Biology (bioinformatics) Chemistry Physics Geology Geoscience Archeology Psychology Sociology Cognitive Science Medicine/Surgery Engineering Linguistics Art ...

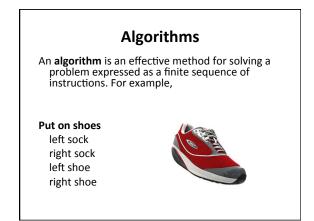
Computing is important



Strong Earnings Potential Salaries of Bryn Mawr Graduates Computer Science Dept All Science Depts College Average Book Strong Earning and Assessment Bryn Mawr College Average Individual Annual Income Office of Institutional Research, Planning, and Assessment







Programming = Writing Apps

Programming is the process of designing, writing, testing, debugging / troubleshooting, and maintaining the source code of computer programs. This source code is written in a programming language.

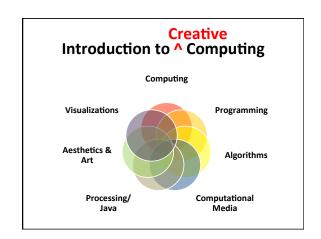


Processing Python Lisp Int areasorcizele (int radius) { return Pi*radius*radius; return Pi*radius*radius; resure Pi*radius*radius; resure Pi*radius*radius; resure Pi*radius*radius; resure Pi*radius*radius; resure (* Pi radius*radius); resure (* Pi radius*radius*); resure (* Pi radius*radiu



Our Goal

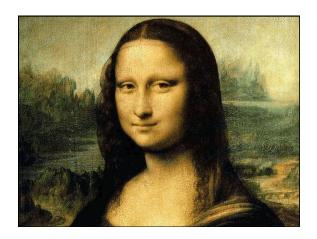
- Use computing to realize works of art
- Explore new metaphors from computing: images, animation, interactivity, visualizations
- Learn the basics of computing
- Have fun doing all of the above!



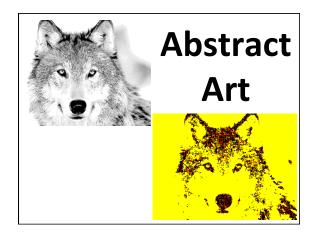
Examples

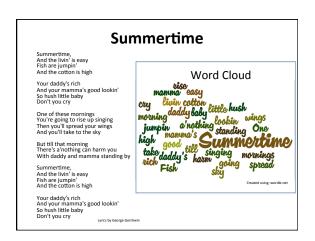
Shepard Fairey

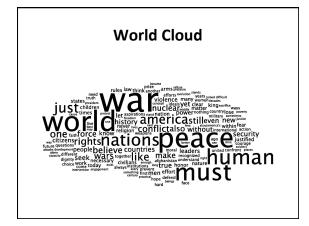


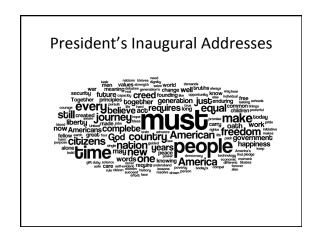


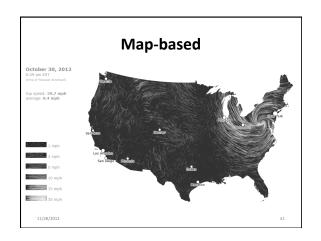




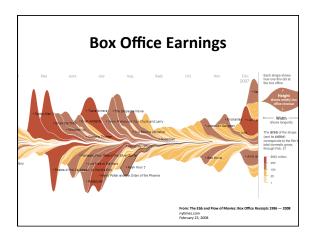












Our Goal

- Use computing to realize works of art
- Explore new metaphors from computing: images, animation, interactivity, visualizations
- Learn the basics of computing
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