

BJC Summer 2012 Teacher Preparation Workshops

[MA exit survey](#)

- [Moodle course enrollment](#)
- [Vital web links](#)
- [Workshop week 1 activity links](#)
- [BYOB/Snap! projects](#)
- [Other stuff](#)
- [Pre-course research survey](#)
- Overall workshop schedule:
 - [Week 1 Face-to-face Schedule](#)
 - [Weeks 2-5 Online course Schedule](#)
 - [Week 6 Face-to-face Schedule](#)
- [Details for Weeks 2-5](#)
- [Assignment schedule](#)

Moodle course enrollment

New Jersey:

<http://veritas.eecs.berkeley.edu/courses/course/view.php?id=27>

enrollment code: BJCNJ239532

Massachusetts:

<http://veritas.eecs.berkeley.edu/courses/course/view.php?id=28>

enrollment code: BJCMA2343923

Vital web links

- [BYOB download](#)
- [run Snap! live](#)
- Snap! tools project: [download](#) [run it now](#)
- [Blown to Bits home page](#)
- [BJC home page](#)
- [DRAFT Snap! 4.0 manual](#)

Workshop week 1 activity links

- [ECS data picture activity handout](#) (PDF)
- [Abstraction lecture video \(Brian\)](#)
- [Applications that Changed the World lecture video \(Dan\)](#)
- [higher order function exercises](#)
- [recursion howto \(txt\)](#)

BYOB/Snap! projects

- [tree demo BYOB project](#)
- [Palindrome exercise \(BYOB\)](#)
- [Recursion projects \(BYOB\)](#)
- [Count-change \(Snap!\)](#)
- [higher order functions \(Snap!\)](#)

Other stuff

- [Spanish BYOB translation](#)
- [MIT Press books](#)
- [email us](#)

Pre-course research survey

[New Jersey](#)

[NJ missing pages](#)

[Massachusetts](#)

Week 1: Face to face 9-12, 1-4

The times below (9-11, etc.) are rough guides; some activities will take longer than others.

	9-11	11-2	2-4
Mon	ECS data activity, survey	Intro BJC, APCS:P	Write Snap! cmds
Tue	Abstraction lect video	Moodle: lab 2	Dis: computers in Edu
Wed	Vee, Tree lec/demo	Write recursive cmds	Write recursive fns
Thu	Acronym, HOF lec/demo	Write & use FOR	Write & use MAP
Fri	Piazza, Skype	Show CS10 projects	Plan for wks 2-5

Weeks 2-5: Online course

Rough guide to time requirements:

Mon-Thu: 1 hr lecture, 2 (Mon: 4) hr online lab, 3 hr homework/reading
 Fri: 2 hr lecture, then 3 hr face-to-face discussion

Week 6: Face to face

Mon Debrief & plan wk 6 Review recursion Review HOF

Tue Show & Tell HS classroom plan Final
 Wed Debrief final research & PD plan HS classroom plan

Details for weeks 2-5

Read by column! Key: Lecture (Lab) [Discussion]

Day	Week 2	Week 3	Week 4	Week 5
Mon	Abstraction (Loops&Vars) (Random,If)	Concurrency (Algorithms 1) (Algorithms 2)	Applications (Recursion 2)	lambda HOF 2 (lambda HOF 1)
Tue	Video games (BYOB)	Recursion 1 (Concurrency)	AI (Recursion 2)	Cloud (lambda HOF 2)
Wed	Functions (Lists 1)	Social Imp 1 (Recursion 1)	lambda HOF 1 (MIDTERM)	CS+X (Project)
Thu	Paradigms (Lists 2)	Recursion 2 (Recursion 1)	Connected (Recursion 3)	Limits of Comp (Project)
Fri	Algorithms 1 [Video games] [Lists]	Social Imp 2 [Algorithms] [Social Imp]	Distributed [Social Imp] [Recursion]	Future of Comp [AI] [lambda HOF]
Reading	BtB 1-2 Abstraction Games	BtB 3-4 Algorithms Social Impl	BtB 5-6 AI	BtB 7-8 Cloud

Assignment schedule

Midterm exam (takehome) Wed week 4
[Paper](#) due Tue week 5
 Final project due Mon week 6
 Final exam in f2f Tue week 6