Texas
Regional
Collaboratives
THE UNIVERSITY OF TEXAS AT AUSTIN

IN THE SERVICE OF SCIENCE
AND MATHEMATICS TEACHERS

Teach CS – Two-Day Workshop
Improving Your Competencies for the 141 TExES Computer Science 8-12 Certification Exam

October 12 and 13, 2015 Breakfast and lunch will be provided.	**UT-Austin Pickle Research Campus** **Commons Learning Center** 10100 Burnet Road, Building 137 Balcones Room 1.108 Austin, Texas 78758

PRESENTER

John Owen   **captainjbo@gmail.com**

AGENDA

October 12, 2015

8:00 am	*Arrival, Breakfast and Welcome*

8:30 am	• Welcome/Introductions/Course overview
	    o Introduce course materials
	        ▪ Handout booklet
	        ▪ Flash drive
	        ▪ Online course simulation
	        ▪ Reference documents
	        ▪ Jeliot code examples
	• Domain 2, Group 4, Software Design
	• D3G9, Linear and Binary Search, Big O Analysis
	• D3G8, Programming Processes

12:00 pm	*Lunch*
12:30 pm	• D2G5, Software Development • D3G9, Quadratic Sorts – Sequential, Selection • D2G6, Programming Languages
4:30 pm	*Dismiss*

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October 13, 2015

8:00 am	*Arrival and Breakfast*
8:30 am	• D3G9, Quadratic Sorts – Insertion, Bubble • D3G7, Data Types and Structures • D3G9, Merge and Quick Sorts
12:00 pm	*Lunch*
12:30 pm	• D1G1, Hardware/Software – emphasis on networking section • D1G2, Applications • D2G3, Instructional Issues • If time, lesson on Number Bases and Boolean Algebra • Wrap-up, questions, reflections, suggestions, etc.
4:30 pm	*Dismiss*