

Programming (6640)

Teacher Resources

Online Resources

***Adventures in Alice Programming**

Lesson plans from the Alice Workshop 2008

www.cs.duke.edu/csed/alice/aliceInSchools/workshop08/lessonPlans.php

***Adventures in Alice Programming**

Tutorials for Grades 5-12

www.cs.duke.edu/csed/alice/aliceInSchools/workshop08/tutorials.php

Alice

Educational software that teaches students computer programming in a 3-D environment

<http://www.alice.org/index.php>

Gamasutra

The art and business of making games

www.gamasutra.com

Repository for Alice Materials*

Newer Alice Workshop materials

<http://www.cs.duke.edu/csed/alice09/>

Job Applications: Types, Forms, and Samples

Sample job applications and forms from The Balance Careers

<https://www.thebalancecareers.com/job-application-form-sample-2061607>

Texts

Adams, E. (2003). *Break into the Computer Game Industry: How to get a job making video games*. Emeryville, Calif: McGraw-Hill/Osborne. ISBN: 0072226609

W3C

World Wide Web Consortium (W3C)

<http://www.w3.org/>

YoYo Games GameMaker (commercial site)

Free trial of GameMaker

www.yoyogames.com/gamemaker

**Alice lesson plans and tutorials used with permission of Susan Rogers, Ph.D., professor of computer science, Duke University, Durham, N.C.*

Cyber Security and Cyber Forensics Infusion Units

Cyber Security and Cyber Forensics Infusion Units (CYBR) were designed to be infused with designated CTE courses to help students achieve additional, focused, validated tasks/competencies in personal and professional cyber security skills. These units are not mandatory, and, as such, the tasks/competencies are marked as “optional” and are to be taught at the instructor’s discretion.

Entrepreneurship Infusion Units

Entrepreneurship Infusion Units may be used to help students achieve additional, focused competencies and enhance the validated tasks/competencies related to identifying and starting a new business venture. Because the unit is a complement to certain designated courses and is not mandatory, all tasks/competencies are marked “optional.”

Microsoft Imagine Academy Resources

Microsoft Imagine Academy (MSIA) offers classroom resources and materials and instructional techniques that will help enhance instruction and learning for this course. Using the school’s membership ID and product key for the Microsoft Imagine Academy, all resources are available through the [MSIA Member Dashboard on the Microsoft site](#).

- To access the curriculum resources, select the Classroom Tile from the member site.
- To access downloadable curriculum resources including the MOAC e-Book, Lesson Plans, and Study Guides select Curriculum Overview - Curriculum Downloads.
- To access Online Learning videos and tutorials select Online Learning Directory tile.
- For more information visit: [How to Get Started with Microsoft Imagine Academy Program](#).