

PSD Middle School Computer Education Modules *revised April 10, 2009*

Proposed Modules for revised required 6th Grade Computer Education Course (9 weeks)

Created – 1 December 2008 by Carol Peterson, Ben Johnson, and Kathy Hanson, PSD -- and Karen Kaminski and Pete Seel, CSU

Modules note -- all software titles are suggestions (listed as sugg:)	CSU EAC and RAC – Karen and Pete – Coor.	PSD Teachers and Staff Carol and Ben – Coor.	ISTeC IAC (I.C.T. industry reps – will be project <u>consultants</u> to review objectives)
Module 1: Internet Safety and Digital Citizenship/Class Intro Privacy Awareness and personal responsibility Social networking -- pros and cons Sugg: cybersmart curriculum 1 week	Lucy Troup, Psychology (RAC) lucy.troup@colostate.edu Jeff Bullington, Morgan Library (social networking) jeff.bullington@colostate.edu		
Module 2: Social Learning Tools Blogs: individual blogging Wikis: for entire class Sugg: <i>Delicious</i> : On-line favorites, tagging, pb wiki, blogger, epals	Jim Folkestad, School of Education jim.folkestad@colostate.edu	Megan Benedict, Wellington JH	
Module 3: Google Docs <i>Word Processing</i> <i>Spreadsheets</i> <i>Presentation App</i> 2 weeks		Ben/Carol	
Module 4: Digital Photography Equipment tutorial Photo Composition Editing images (sugg: <i>Splashup</i>) Uploading images (sugg: <i>Gimp</i>) 1 week	Pete Seel, Journalism & TC pete.seel@colostate.edu	Shelley Clerkin, Lincoln JH Dawn Lauterbach, Blevins JH	Bob Gann at HP?
Module 5: Introduction to Programming Sugg: <i>Python</i> Yoyo Games 2 weeks	H.J. Siegel, ECE hj@colostate.edu Chuck Anderson chuck.anderson@colostate.edu Computer Science	Scott Durkin, Preston JH	Stew Crawford, stew@biographixmedia.com Joe Strout joe@strout.net

Module 6: Web Site Design Use of Web 2.0 tools/templates -- see (www.porteus.com) Writing for the Web Web images Sugg: <i>Google Sites, Weebly</i> 2 weeks	Rosa Martey, Journalism & TC rosa.martey@colostate.edu	June Galvin, Boltz JH Ted Lawrence, Kinard JH	
Module 7: Digital Video Production Storyboarding and videography Motion media grammar Video editing – Sugg: <i>iMovie/ Movie Maker, cybersmart</i> Uploading 1 week	Jamie Switzer, JTC jamie.switzer@colostate.edu and Pete Seel, JTC	Sally Thomas, Webber JH	
Modules listed below: Supplemental 6th grade modules and/or 7th grade modules (Length: 1-2 weeks as needed)			
Module 8: Online Research and Using Online Databases Locating and evaluating online sources Sugg: Gale, Ebsco, ABC, Clio	Cathy Cranston, Morgan Library cathy.cranston@colostate.edu Nancy Levinger, Chemistry nancy.levinger@colostate.edu		
Module 9: Data Analysis Spreadsheets Visualizing data in charts and graphs Sugg: Google docs, excel	John Plotnicki, Computer Information Systems john.plotnicki@colostate.edu		David Platt, Front Range CC Math Dept.
Module 10: Google Earth and GPS 3D modeling Sugg: <i>Sketch-up, Google Earth, GIS</i> — <i>one week of each app??</i>	Karen Kaminski Karen.Kaminski@colostate.edu	Becky Knips, Leshner JH	Esther Worker at ESRI eworker@esri.com

Note: Integrate career education content across this curriculum -- and include e-portfolio

7th Grade: 18 weeks: Computer Game Programming/Modification (expand on the content outlined above)
 This course **is an elective option**. **Goal -- create innovative content to boost enrollment.**