

## AACPS Tentative 2009 Course Outline/Schedule

Week 1

Week 2

<b>Monday</b> 7/13 7/20  7/27 8/3	<b>Session 1:</b> <b>AM</b> <ul style="list-style-type: none"> <li>▪ Welcome &amp; Logistics</li> <li>▪ Overview of IS/IA-DF               <ul style="list-style-type: none"> <li>○ Video Snippets</li> <li>○ NSA DVD</li> </ul> </li> <li>▪ Introduction to <a href="#">MicroWorlds™</a> for multimedia creation</li> <li>▪ LOGO language: Differences between functional &amp; imperative programming languages</li> <li>▪ Lisp dialect</li> </ul> <b>PM</b> <ul style="list-style-type: none"> <li>▪ Skill Development with MicroWorlds™</li> </ul>	<b>Session 6:</b> <b>AM</b> <ul style="list-style-type: none"> <li>▪ Programming Excel and PPT</li> <li>▪ <b>Speaker: CW</b></li> <li>▪ Scratch</li> </ul> <b>PM</b> <ul style="list-style-type: none"> <li>▪ Robotics Basics</li> </ul>
<b>Tuesday</b> 7/14 7/21  7/28 8/4	<b>Session 2:</b> <b>AM</b> <ul style="list-style-type: none"> <li>▪ Logo Skills Continued</li> <li>▪ Indiv Animated Story</li> <li>▪ Group Challenges/Indiv Game</li> </ul> <b>PM</b> <ul style="list-style-type: none"> <li>▪ <i>Guest Speaker-Security Clearances</i></li> <li>▪ Task Challenges</li> </ul>	<b>Session 7:</b> <b>AM</b> <ul style="list-style-type: none"> <li>▪ ½ day Field Trip NIST</li> </ul> <b>PM</b> <ul style="list-style-type: none"> <li>▪ Scratch</li> </ul>
<b>Wednesday</b> 7/15 7/22  7/29 8/5	<b>Session 3:</b> <b>AM</b> <ul style="list-style-type: none"> <li>▪ Group Challenges/Indiv Game</li> <li>▪ Thinking about our MicroWorlds final projects</li> </ul> <b>PM</b> <ul style="list-style-type: none"> <li>▪ Simulation/Game Development in MicroWorlds</li> <li>▪ Cryptography exercises</li> </ul>	<b>Session 8:</b> <b>AM</b> <ul style="list-style-type: none"> <li>▪ <b>Guest Speaker- John Casey MD Internet Crimes Division</b></li> </ul> <b>PM</b> <ul style="list-style-type: none"> <li>▪ Digital Forensics</li> <li>▪ Robotics</li> </ul>
<b>Thursday</b> 7/16 7/23  7/30 8/6	<b>Session 4:</b> <b>AM/PM</b> <ul style="list-style-type: none"> <li>▪ <a href="#">Historic Electronics Museum</a></li> </ul>	<b>Session 9:</b> <b>AM</b> <ul style="list-style-type: none"> <li>▪ Digital Forensics</li> <li>▪ <b>Guest Speaker: from the career field</b></li> </ul> <b>PM</b> <ul style="list-style-type: none"> <li>▪ Robotics</li> </ul>
<b>Friday</b> 7/17 7/24  7/31 8/7	<b>Session 5:</b> <b>AM</b> <ul style="list-style-type: none"> <li>▪ Show and Share MicroWorlds Products</li> <li>▪ Cryptography exercises</li> <li>▪ <i>Identity Management : Digital FootPrints/Digital Fossils</i></li> </ul> <b>PM</b> <ul style="list-style-type: none"> <li>▪ Programming Excel and PPT</li> </ul>	<b>Session 10:</b> <b>AM/PM</b> <ul style="list-style-type: none"> <li>▪ Robotics Challenge</li> <li>▪ e-portfolio Show &amp; Share</li> </ul>