

## Architectural Drafting and Design Technology Unit Calendar (Updated 6/2008)

1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
<p style="text-align: center;"><b>Unit 1 (1 Wks)</b> <b><u>Prepare For Employment I</u></b></p> <ul style="list-style-type: none"> <li>• Develop/update a resume</li> <li>• Create a drafting portfolio</li> <li>• Complete a job application</li> <li>• Demonstrate interviewing skills</li> <li>• Research potential work sites</li> </ul> <p>(Course Standards – 1.0 &amp; 3.0)</p> <p style="text-align: center;"><b>Unit 2 (7 Wks)</b> <b><u>Architectural Drafting Concepts I</u></b></p> <ul style="list-style-type: none"> <li>• Architectural Terminology</li> <li>• Draft Plot/Site Plan</li> <li>• Floor Plan Symbols</li> <li>• Draft a Floor Plan</li> <li>• Draft a Door and Window Schedule</li> <li>• Draft Elevations</li> <li>• Architectural Dimensioning</li> </ul> <p>(Course Standards – 9.0 &amp; 10.0)</p> <p style="text-align: center;"><b>Unit 3 (1 Wk)</b> <b><u>Evaluate Management Practices</u></b></p> <ul style="list-style-type: none"> <li>• Review Bidding</li> <li>• Review project budgets</li> <li>• Create production and time schedules</li> <li>• Describe project setback implications</li> </ul> <p>(Course Standard – 7.0)</p>	<p style="text-align: center;"><b>Unit 4 (8 Wks)</b> <b><u>Architectural Drafting Concepts II</u></b></p> <ul style="list-style-type: none"> <li>• Use CADD software to draft</li> <li>• Draft a Foundation plan</li> <li>• Draft a Roof plan</li> <li>• Draft an Electrical plan</li> <li>• Draft a Plumbing plan</li> <li>• Draft an HVAC plan</li> <li>• Draft a Ceiling plan</li> <li>• Develop a set of working drawings</li> </ul> <p>(Course Standard – 10.0)</p> <p style="text-align: center;"><b>Unit 5 (1 Wk)</b> <b><u>Written and Oral Presentation Skills</u></b></p> <ul style="list-style-type: none"> <li>• Conduct formal/informal research</li> <li>• Organize Information</li> <li>• Write documents</li> <li>• Demonstrate active listening</li> <li>• Deliver presentations</li> </ul> <p>(Course Standards – 5.0 &amp; 6.0)</p> <p style="text-align: center; margin-top: 20px;"><b>Semester Exam</b></p>	<p style="text-align: center;"><b>Unit 6 (7 Wks)</b> <b><u>Architectural Drafting Concepts III</u></b></p> <ul style="list-style-type: none"> <li>• Use CADD software to draft</li> <li>• Draft structure shapes and details</li> <li>• Draft cross sections and details</li> <li>• Draft wall sections and details</li> <li>• Draft a stairway section</li> <li>• Draft cabinet elevations</li> <li>• Draft Site plans</li> </ul> <p>(Course Standards – 9.0 &amp; 11.0)</p> <p style="text-align: center;"><b>Unit 7 (2 Wks)</b> <b><u>Interpret Control Documents</u></b></p> <ul style="list-style-type: none"> <li>• Identify and describe types of drawings</li> <li>• Locate info and interpret documents</li> <li>• Check prints for dimensional accuracy</li> <li>• Interpret site plans, blueprints, plot maps</li> <li>• Understanding Uniform Building Codes</li> <li>• Identify conflicting data</li> </ul> <p>(Course Standards – 8.0 &amp; 9.0)</p> <p style="text-align: center; margin-top: 20px;"><b>SkillsUSA Regional Conference</b></p>	<p style="text-align: center;"><b>Unit 8 (4 Wks)</b> <b><u>Architectural Drafting Concepts IV</u></b></p> <p>Use CADD software to draft pictorial views using:</p> <ul style="list-style-type: none"> <li>• Isometric drawings</li> <li>• 1- and 2-point Perspective drawings</li> <li>• 3D Modeling and Materials Rendering</li> </ul> <p>(Course Standard – 12.0)</p> <p style="text-align: center;"><b>Unit 9 (1 Wk)</b> <b><u>Legal and Ethical Issues in Industry</u></b></p> <ul style="list-style-type: none"> <li>• Ethics and the Drafting Environment</li> <li>• Ethical workplace behavior</li> <li>• Worker's Rights and Issues</li> </ul> <p>(Course Standard – 2.0)</p> <p style="text-align: center;"><b>Unit 10 (4 Wks)</b> <b><u>Work-Based Learning</u></b></p> <ul style="list-style-type: none"> <li>• Demonstrate positive work behaviors</li> <li>• Safety and Health Practices</li> <li>• Provide work-based experiences</li> <li>• Culminating final project</li> </ul> <p>(Course Standard – 4.0)</p> <p style="text-align: center; margin-top: 20px;"><b>SkillsUSA State Conference</b></p> <p style="text-align: center; margin-top: 20px;"><b>Semester Exam</b></p>
<p><b><u>Standards to be covered throughout the year:</u></b></p> <p>CTSO (1.0), Oral Communications (5.0) and Written Communications (6.0)</p>		<p><b>Possible Project Ideas:</b></p> <ul style="list-style-type: none"> <li>Personal Residence Plan</li> <li>Dream House Plan</li> <li>Architect, Architectural Style or Building Research Project and Presentation</li> <li>Renovation Plan</li> <li>Environmentally Friendly Architectural Plans</li> </ul>	

### Career Preparation

Drafting and Design Technology - Option A