

West Linn–Wilsonville School District
The Arts (Communications/Technology) – Course Statement

<u>Course Title: Intermediate Drafting</u>	
Length of Course:	Semester
Number of Credits:	1
Grade Level:	9, 10, 11, 12
Prerequisites:	Computer Aided Drafting (CAD)
CIM Work Samples	
Offered in Course:	Math and speaking work samples
Date of Description/Revision: 2002	
Course Overview	
<p>This course is designed to introduce students to basic residential architectural drawings. Students will draw a one-story house. Drawings will cover scaled drawings of floor plans, foundation, roof, elevations, sections, detail, and perspectives. Each student will create and maintain a portfolio, which will include hard copies of their drawings, written self-evaluations, and quizzes.</p>	
Essential Questions	Concepts providing focus for student learning
<ul style="list-style-type: none"> • What plans are needed to construct a residential home? 	
Proficiency Statements	
<p>Upon completion of course, students will be able to:</p> <ul style="list-style-type: none"> • Draw to scale and code a working set of residential house plans. 	
General Course Topics/Units & Timeframes	
<ul style="list-style-type: none"> A. Lettering Exercise B. Lettering Exercise C. How to Read an Engineering Scale D. Plot Plan E. Landscape Plot Plan F. Reading a Floor Plan G. Interior Doors H. Exterior Doors and Windows I. Engineering Dimensioning J. Engineering Dimensioning K. Engineering Dimensioning L. Kitchen Symbols M. Bathroom Symbols N. Electrical Plan 	

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|-----|------------------------|
| O. | Electrical Plan |
| P. | House Floor Plan |
| Q. | House Roof Plan |
| R. | House Foundation Plan |
| S. | Window Elevations |
| T. | Elevation Symbols |
| U. | Elevation Masonry |
| V. | Elevation |
| W. | Elevation Dimensions |
| X. | House Elevation Plan |
| Y. | House Section Plan |
| Z. | House Detail Plan |
| AA. | House Perspective Plan |

Resources

- Text: *Architectural Drafting and Design*, Jefferis & Madsen
- Text: *Architectural Residential Drawing and Design*, Kicklighter
- Text: *Architectural Drafting*, Earle
- Other: Class handouts