

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

<u>Course Title: Drafting Research</u>	
Length of Course: Year * Number of Credits: 2 Grade Level: 11, 12 Prerequisites: Architectural Drafting or Engineering Drafting CIM Work Samples Offered in Course: Math and speaking work samples	Date of Description/Revision: 2002
Course Overview	
<p>This course presents practical projects requiring the application of skills learned in Architectural drafting or Engineering drafting. Students work on developing skills in creating original designs as well as drawing rigid projects accompanied with specifications and details. Each student will create and maintain a portfolio, which will include drawings, written self-evaluations of their drawings, notes, handouts, and quizzes.</p> <p>* This course can be taken twice; course will be different each year.</p>	
Essential Questions	Concepts providing focus for student learning
<ul style="list-style-type: none"> • What are industry standards in the engineering field? • What type of skills would an individual need to have to be successful in the field of engineering? • 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"> • Interpret and draw scaled drawings. • Take an idea and create it into a drawing that will be understood by others. • Take an existing item and better the design to be more efficient. • Use both 2-D and 3-D software. • Understand and apply ANSI standards and or building codes. 	
General Course Topics/Units & Timeframes	
<p>Projects and drawings in this course will be determined on an individual basis to help each student follow a career path or goal.</p>	

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Resources	
<ul style="list-style-type: none">• Text: <i>Engineering Drafting and Design</i>, Madsen• Text: <i>Engineering</i>, Kicklighter• Text: <i>Engineering Drafting</i>, Earle• Other: Class handouts	