

MANUAL TEKS Alignment Report: Principles of Architecture

Summary

Total TEKS Standards: 94

Standards Covered (Hits): 61

Standards Missed: 33

Total Percent of TEKS Covered: 64.89%

TEKS Hit

127.786.d.4.E: investigate the use of space, scale, and environmental features to create three-dimensional form or the illusion of depth and form;

127.786.d.3.J: demonstrate organizational skills to influence the sequential process when creating drawings;

127.786.d.6.A: draw chamfers and fillets;

127.786.d.9.A: create and save text information blocks;

127.786.d.1.A: describe the roles, responsibilities, and dynamics of a team as applied in appropriate industry fields;

127.786.d.3.N: use editing commands;

127.786.d.4.D: analyze challenges and identify solutions for design problems;

127.786.d.8.D: add linear and angular dimensions to a drawing;

127.786.d.2.F: describe and use the Cartesian coordinate system;

127.786.d.4.I: create drawings containing circles and arcs;

127.786.d.11.C: draw a site plan;

127.786.d.3.W: create hatching and manipulate properties such as calculating the area of an enclosed shape.

127.786.d.11.J: draw an electrical and reflected ceiling plan.

127.786.d.7.B: demonstrate the use of Quick Properties and the Properties palette to access CADD tools; and

127.786.d.2.H: demonstrate the use of dynamic input and the command line.

127.786.d.1.E: demonstrate safety in the workplace as specified by appropriate governmental regulations.

127.786.d.3.F: describe basic line conventions;

127.786.d.3.P: plot drawings on media using layout and scale;

127.786.d.5.A: use proper text standards for technical drawings;

127.786.d.8.B: draw scales and dimensions;

127.786.d.3.C: draw polylines, rectangles, donuts, and filled circles;

127.786.d.8.E: draw datum and chain dimensions;

127.786.d.10.A: prepare developments of prisms, cylinders, cones, and pyramids;

127.786.d.3.R: move, stretch, and offset objects;

127.786.d.3.U: break and join objects;

127.786.d.2.G: use drawing snap and grid functions; and

127.786.d.8.C: create, edit, and manage dimension styles;

127.786.d.8.F: dimension circles and arcs;

127.786.d.3.S: create a radius between objects;

127.786.d.9.F: purge unused items from a drawing.

127.786.d.2.E: determine and specify drawing units and limits;

127.786.d.8.G: control the appearance of existing dimensions and dimension text; and

127.786.d.2.A: describe computer-aided design, drafting, and CADD applications;

127.786.d.4.G: select proper drawing scale, views, and layout;

127.786.d.4.L: create detail drawings; and

127.786.d.3.D: draw true spline curves;
 127.786.d.4.J: create removed details and conventional breaks using sectional drawing techniques;
 127.786.d.3.V: change object properties; and
 127.786.d.2.C: use draw files;
 127.786.d.10.C: prepare drawings involving intersecting pieces.
 127.786.d.3.O: use viewing commands to perform zooming and panning;
 127.786.d.3.G: create and manage layers;
 127.786.d.9.E: construct and use a symbol library of blocks; and
 127.786.d.3.M: use control accuracy enhancement tools for entity positioning methods such as snap and xyz;
 127.786.d.5.E: edit existing text; and
 127.786.d.3.A: draw objects using the line tool;
 127.786.d.3.L: create and edit text using appropriate style and size to annotate drawings;
 127.786.d.1.D: demonstrate knowledge of the concepts and skills related to health in the workplace; and
 127.786.d.3.E: create drawing templates;
 127.786.d.4.C: create orthographic drawings;
 127.786.d.2.D: save, close, and open saved files;
 127.786.d.9.B: insert blocks into a drawing;
 127.786.d.2.B: demonstrate how to start and exit CADD software without corrupting files;
 127.786.d.11.I: draw a plot plan; and
 127.786.d.4.A: create multiple viewpoints in the drawing window;
 127.786.d.11.G: prepare door and window schedules;
 127.786.d.6.B: use editing tools to modify existing drawings;
 127.786.d.12.C: draw and explode the assembly with the parts list.
 127.786.d.5.F: create, insert, and modify tables.
 127.786.d.4.H: create drawings containing horizontal and vertical surfaces;
 127.786.d.5.B: calculate drawing scale and text height using a scale ratio;

TEKS Missed

127.786.d.1.B: explain employers' work expectations;

Suggested Lesson: Add a lesson, assignment, or discussion to address: explain employers' work expectations;...

127.786.d.1.C: use effective and accurate architectural or engineering vocabulary throughout design and drafting process;

Suggested Lesson: Add a lesson, assignment, or discussion to address: use effective and accurate architectural or engineering vocabulary throughout design and drafting process;...

127.786.d.3.B: draw circles, arcs, ellipses, and elliptical arcs;

Suggested Lesson: Add a lesson, assignment, or discussion to address: draw circles, arcs, ellipses, and elliptical arcs;...

127.786.d.3.H: draw objects on separate layers;

Suggested Lesson: Add a lesson, assignment, or discussion to address: draw objects on separate layers;...

127.786.d.3.I: print and plot drawings;

Suggested Lesson: Add a lesson, assignment, or discussion to address: print and plot drawings;...

127.786.d.3.K: construct geometric figures of lines, splines, circles, and arcs;

Suggested Lesson: Add a lesson, assignment, or discussion to address: construct geometric figures of lines, splines, circles, and arcs;...

127.786.d.3.Q: use query commands to interrogate database for entity characteristics, distance, area, and status;

Suggested Lesson: Add a lesson, assignment, or discussion to address: use query commands to interrogate database for entity characteristics, distance, area, and status;...

127.786.d.3.T: trim and extend objects;

Suggested Lesson: Add a lesson, assignment, or discussion to address: trim and extend objects;...

127.786.d.4.B: select appropriate object snaps for various drawing tasks;

Suggested Lesson: Add a lesson, assignment, or discussion to address: select appropriate object snaps for various drawing tasks;...

127.786.d.4.F: prepare multi-view scaled drawings;

Suggested Lesson: Add a lesson, assignment, or discussion to address: prepare multi-view scaled drawings;...

127.786.d.4.K: create assembly drawings;

Suggested Lesson: Add a lesson, assignment, or discussion to address: create assembly drawings;...

127.786.d.4.M: create technical drawings and title blocks associated with the different CAD drawings.

Suggested Lesson: Add a lesson, assignment, or discussion to address: create technical drawings and title blocks associated with the different CAD drawings....

127.786.d.5.C: apply text styles to enhance readability of drawings;

Suggested Lesson: Add a lesson, assignment, or discussion to address: apply text styles to enhance readability of drawings;...

127.786.d.5.D: demonstrate the use of tools to create multi-line text objects and single-line text;

Suggested Lesson: Add a lesson, assignment, or discussion to address: demonstrate the use of tools to create multi-line text objects and single-line text;...

127.786.d.6.C: edit polylines and splines;

Suggested Lesson: Add a lesson, assignment, or discussion to address: edit polylines and splines;...

127.786.d.6.D: move and copy objects;

Suggested Lesson: Add a lesson, assignment, or discussion to address: move and copy objects;...

127.786.d.6.E: create mirror images and align objects; and

Suggested Lesson: Add a lesson, assignment, or discussion to address: create mirror images and align objects; and...

127.786.d.6.F: scale and array objects.

Suggested Lesson: Add a lesson, assignment, or discussion to address: scale and array objects....

127.786.d.7.A: apply grips to stretch, move, rotate, scale, mirror, and copy objects;

Suggested Lesson: Add a lesson, assignment, or discussion to address: apply grips to stretch, move, rotate, scale, mirror, and copy objects;...

127.786.d.7.C: create selections by using the Quick Select dialog box.

Suggested Lesson: Add a lesson, assignment, or discussion to address: create selections by using the Quick Select dialog box....

127.786.d.8.A: apply standard dimensioning rules;

Suggested Lesson: Add a lesson, assignment, or discussion to address: apply standard dimensioning rules;...

127.786.d.8.H: change dimension line spacing and alignment.

Suggested Lesson: Add a lesson, assignment, or discussion to address: change dimension line spacing and alignment....

127.786.d.9.C: edit and update a block in a drawing;

Suggested Lesson: Add a lesson, assignment, or discussion to address: edit and update a block in a drawing;...

127.786.d.9.D: create blocks as a drawing file;

Suggested Lesson: Add a lesson, assignment, or discussion to address: create blocks as a drawing file;...

127.786.d.10.B: prepare developments of a transition piece; and

Suggested Lesson: Add a lesson, assignment, or discussion to address: prepare developments of a transition piece; and...

127.786.d.11.A: solve design problems to gain new perspectives;

Suggested Lesson: Add a lesson, assignment, or discussion to address: solve design problems to gain new perspectives;...

127.786.d.11.B: apply critical-thinking and problem-solving skills to develop creative solutions for design problems;

Suggested Lesson: Add a lesson, assignment, or discussion to address: apply critical-thinking and problem-solving skills to develop creative solutions for design problems;...

127.786.d.11.D: draw a floor plan;

Suggested Lesson: Add a lesson, assignment, or discussion to address: draw a floor plan;...

127.786.d.11.E: draw interior and exterior elevations;

Suggested Lesson: Add a lesson, assignment, or discussion to address: draw interior and exterior elevations;...

127.786.d.11.F: draw a roof plan;

Suggested Lesson: Add a lesson, assignment, or discussion to address: draw a roof plan;...

127.786.d.11.H: draw wall sections;

Suggested Lesson: Add a lesson, assignment, or discussion to address: draw wall sections;...

127.786.d.12.A: draw individual parts;

Suggested Lesson: Add a lesson, assignment, or discussion to address: draw individual parts;...

127.786.d.12.B: draw the closed assembly drawings per the parts; and

Suggested Lesson: Add a lesson, assignment, or discussion to address: draw the closed assembly drawings per the parts; and...