

# SPANISH FORK HIGH SCHOOL 2014-2015

## DONS Learning Targets for

### Technical Design

#### **I CAN understand the Design Technology profession.**

- I CAN identify and understand Technical Design and how it relates to occupations and opportunities.
- I CAN Display and understand professional attitude and how it relates to employability.

#### **I CAN demonstrate sketching techniques.**

- I CAN demonstrate the use of horizontal, vertical, and inclined lines.
- I CAN demonstrate the use of arcs and circles as they are drawn to proportionate radius or diameter.
- I CAN demonstrate the use of lines as they are drawn according to the alphabet of lines.
- I CAN develop sketches with paper, pencil, and eraser without the use of a straight edges or templates.
- I CAN produce a one-view sketch of an object using proportional relationships.
- I CAN apply basic dimensioning practices in accordance with ANSI standards.

#### **I CAN understand and demonstrate how to create a drawing using alphabet of lines.**

- I CAN understand and demonstrate the recommended thickness of lines.
- I CAN understand and demonstrate the correct use of line types.
- I CAN demonstrate the usage of line types to complete drawings to ANSI standards.

#### **I CAN understand and demonstrate use of Computer Aided Design technology skills.**

- I CAN use basic measuring systems which include scales, fractions, decimals, Cartesian coordinates, polar and relative relations.
- I CAN demonstrate and use correct annotation to drawings.
- I CAN prepare and manipulate title blocks for different design technology formats
- I CAN reproduce original drawings using different methods.

## **I CAN create drawings using Computer Aided Design software.**

- I CAN demonstrate accuracy and exactness when working with geometric shapes.
- I CAN develop a complete multi-view drawing.
- I CAN develop pictorial drawings such as isometric and oblique.
- I CAN preform a drawing set-up including units, borders, paper size, and standards
- I CAN use and control accuracy enhancement tools (snap, grid, and positioning methods).
- I CAN identify and use appropriate symbol libraries.

## **I CAN demonstrate and understanding of how to manipulate drawings using CAD software.**

- I CAN apply standard dimensioning practices to a drawing with ANSI Y14.5 Standards.
- I CAN use correct dimension line terminators.
- I CAN properly dimension objects.
- I CAN demonstrate the correct use of leader lines.

## **I CAN understand and apply professional development skills in the workplace .**

- I CAN understand the need for professional development in school and the workplace.
- I CAN understand the need for leadership skills.
- I CAN understand the need for career planning.
- I CAN understand the importance of employability skills and workplace habits.

