

PROJECT ASSESSMENT: 2-D DESIGN FUNDAMENTALS CHECKLIST

DES1030-1

Student: _____

Teacher: _____

Module: _____

Date: _____

Project Description: _____

| CRITERIA | OBSERVATION/ RATING | STANDARD |
|-------------------------|------------------------|----------|
| Management | 4 3 2 1 0 | 1 |
| Teamwork | 4 3 2 1 0 N/A | 1 |
| Content | 4 3 2 1 0 | 1 |
| Equipment and Materials | 4 3 2 1 0 | 1 |

STANDARD IS 1 IN EACH APPLICABLE CRITERIA UNLESS OTHERWISE STATED.

Rating Scale

The student:

- 4 exceeds defined outcomes. Plans and solves problems effectively and creatively in a self-directed manner. Tools, materials and/or processes are selected and used efficiently, effectively and with confidence.
- 3 meets defined outcomes. Plans and solves problems in a self-directed manner. Tools, materials and/or processes are selected and used efficiently and effectively.
- 2 meets defined outcomes. Plans and solves problems with limited assistance. Tools, materials and/or processes are selected and used appropriately.
- 1 meets defined outcomes. Follows a guided plan of action. A limited range of tools, materials and/or processes are used appropriately.
- 0 has not completed defined outcomes. Tools, materials and/or processes are used inappropriately.

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| <p>Design Techniques:</p> <p>Generates Ideas</p> <ul style="list-style-type: none"> <input type="checkbox"/> produces thumbnail sketches <input type="checkbox"/> moves visual components within a defined space <input type="checkbox"/> considers various grid layouts <input type="checkbox"/> shows consideration of: <ul style="list-style-type: none"> <input type="checkbox"/> font <input type="checkbox"/> style <input type="checkbox"/> point size <input type="checkbox"/> manipulates images and/or typography to create symbolism <p>Applies Ideas to Produce Layouts</p> <ul style="list-style-type: none"> <input type="checkbox"/> uses images within a defined space <input type="checkbox"/> uses typography within undefined space <input type="checkbox"/> applies grid(s) as required <input type="checkbox"/> combines images and/or typography to produce a symbol(s) <input type="checkbox"/> skills: <ul style="list-style-type: none"> <input type="checkbox"/> cut <input type="checkbox"/> paste <input type="checkbox"/> measure <input type="checkbox"/> transfer | <p>Design Tools:</p> <ul style="list-style-type: none"> <input type="checkbox"/> traditional tools <ul style="list-style-type: none"> <input type="checkbox"/> pencil <input type="checkbox"/> pen <input type="checkbox"/> marker <input type="checkbox"/> T-square/set square <input type="checkbox"/> parallel rule <input type="checkbox"/> knife <input type="checkbox"/> waxer/tape <input type="checkbox"/> computer <input type="checkbox"/> other <p>_____</p> <p>_____</p> <p>Design Materials:</p> <ul style="list-style-type: none"> <input type="checkbox"/> traditional materials <ul style="list-style-type: none"> <input type="checkbox"/> paper/card <input type="checkbox"/> ink <input type="checkbox"/> pressure-sensitive lettering <input type="checkbox"/> typography sheets <input type="checkbox"/> clip art <input type="checkbox"/> computer software <input type="checkbox"/> other <p>_____</p> <p>_____</p> |
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| <p>COMMENTS</p> |
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PROJECT ASSESSMENT: 3-D DESIGN FUNDAMENTALS CHECKLIST

DES1040-1

Student: _____

Teacher: _____

Module: _____

Date: _____

Project Description: _____

| CRITERIA | OBSERVATION/ RATING | STANDARD |
|-------------------------|------------------------|----------|
| Management | 4 3 2 1 0 | 1 |
| Teamwork | 4 3 2 1 0 N/A | 1 |
| Content | 4 3 2 1 0 | 1 |
| Equipment and Materials | 4 3 2 1 0 | 1 |

STANDARD IS 1 IN EACH APPLICABLE CRITERIA UNLESS OTHERWISE STATED.

Rating Scale

The student:

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- 3 meets defined outcomes. Plans and solves problems in a self-directed manner. Tools, materials and/or processes are selected and used efficiently and effectively.
- 2 meets defined outcomes. Plans and solves problems with limited assistance. Tools, materials and/or processes are selected and used appropriately.
- 1 meets defined outcomes. Follows a guided plan of action. A limited range of tools, materials and/or processes are used appropriately.
- 0 has not completed defined outcomes. Tools, materials and/or processes are used inappropriately.

Design Techniques:

Generates Ideas

- produces thumbnail sketches or models
- manipulates three-dimensional components
 - bends
 - folds
 - cuts
 - shapes
- joins materials temporarily

Applies Ideas/Techniques

- uses materials to produce forms
- selects and uses component parts, (e.g., sprockets, panels, axils, wood strips) in designs
- uses valuable material (e.g., modelling clay, wire, paper) in designs
- uses non-valuable material (e.g., wood, styrofoam, metal plate, plexiglass) in designs
- skills:
 - molding or shaping
 - adding to or removing
 - measuring
 - cutting
 - joining/fastening
 - bending/folding

Design Tools:

- scissors
- knife
- tools for modelling clay
- saw
- plyers
- hammer
- screw driver
- other

- clamps
- snips
- straight edge
- ruler
- tape measure
- square
- styrofoam cutter

Design Materials:

- paper
- card
- modelling clay
- wire
- wood
- styrofoam
- other

- plastic
- glue
- cloth
- plaster
- fasteners

COMMENTS

PROJECT ASSESSMENT: CAD FUNDAMENTALS

DES1050-1

Student: _____

Teacher: _____

Module: _____

Date: _____

| CRITERIA | OBSERVATION/ RATING | | | | | STANDARD |
|-------------------------|------------------------|---|---|---|-------|----------|
| Management | 4 | 3 | 2 | 1 | 0 | 1 |
| Teamwork | 4 | 3 | 2 | 1 | 0 N/A | 1 |
| Content | 4 | 3 | 2 | 1 | 0 | 1 |
| Equipment and Materials | 4 | 3 | 2 | 1 | 0 | 1 |

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Rating Scale

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- 0 has not completed defined outcomes. Tools, materials and/or processes are used inappropriately.

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| <p>CRITERIA</p> <p><i>The student:</i></p> <p>Management</p> <ul style="list-style-type: none"> <input type="checkbox"/> prepares self for task <input type="checkbox"/> organizes and works in an orderly manner <input type="checkbox"/> carries out instructions accurately <input type="checkbox"/> uses time effectively <p>Teamwork</p> <ul style="list-style-type: none"> <input type="checkbox"/> cooperates with group members <input type="checkbox"/> shares work appropriately among group members <input type="checkbox"/> exhibits basic teamwork skills (e.g., cooperation, appropriate conduct, leadership, commitment, negotiation, sharing) | <p>Content</p> <ul style="list-style-type: none"> <input type="checkbox"/> identifies and accesses commonly used CAD tools, methods and functions <input type="checkbox"/> reads and interprets pictorial drawings and multiview sketches for pertinent information <input type="checkbox"/> produces two-dimensional multiview drawing(s) with specified dimensions <input type="checkbox"/> produces pictorial drawing(s) <input type="checkbox"/> produces surface developments with specified dimensions <input type="checkbox"/> prints/plots drawings <input type="checkbox"/> selects and uses CAD tools, methods and functions to produce multiview drawings using simple three-dimensional objects or pictorial drawings for reference <input type="checkbox"/> demonstrates the use of layers in one drawing <p>Equipment and Materials</p> <ul style="list-style-type: none"> <input type="checkbox"/> selects and uses appropriate equipment/materials <input type="checkbox"/> follows safe procedures/techniques <input type="checkbox"/> returns clean equipment/materials to storage area |
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COMMENTS

PROJECT ASSESSMENT: DRAFTING/DESIGN FUNDAMENTALS

DES1060-1

Student: _____

Teacher: _____

Module: _____

Date: _____

| CRITERIA | OBSERVATION/ RATING | | | | | STANDARD |
|-------------------------|------------------------|---|---|---|------|----------|
| Management | 4 | 3 | 2 | 1 | 0 | 1 |
| Teamwork | 4 | 3 | 2 | 1 | 0 NA | 1 |
| Content | 4 | 3 | 2 | 1 | 0 | 1 |
| Equipment and Materials | 4 | 3 | 2 | 1 | 0 | 1 |

STANDARD IS 1 IN EACH APPLICABLE CRITERIA UNLESS OTHERWISE STATED.

Rating Scale

The student:

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- 3 meets defined outcomes. Plans and solves problems in a self-directed manner. Tools, materials and/or processes are selected and used efficiently and effectively.
- 2 meets defined outcomes. Plans and solves problems with limited assistance. Tools, materials and/or processes are selected and used appropriately.
- 1 meets defined outcomes. Follows a guided plan of action. A limited range of tools, materials and/or processes are used appropriately.
- 0 has not completed defined outcomes. Tools, materials and/or processes are used inappropriately.

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| <p>CRITERIA</p> <p><i>The student:</i></p> <p>Management</p> <ul style="list-style-type: none"> <input type="checkbox"/> prepares self for task <input type="checkbox"/> organizes and works in an orderly manner <input type="checkbox"/> carries out instructions accurately <input type="checkbox"/> uses time effectively <p>Teamwork</p> <ul style="list-style-type: none"> <input type="checkbox"/> cooperates with group members <input type="checkbox"/> shares work appropriately among group members <input type="checkbox"/> exhibits basic teamwork skills (e.g., cooperation, appropriate conduct, leadership, commitment, negotiation, sharing) <p>Content</p> <ul style="list-style-type: none"> <input type="checkbox"/> recognizes and identifies common pictorial drawing types <input type="checkbox"/> given samples of multiview drawings identifies: <ul style="list-style-type: none"> <input type="checkbox"/> their common views <input type="checkbox"/> discriminates between first angle and third angle projections | <p>Content (continued)</p> <ul style="list-style-type: none"> <input type="checkbox"/> produces one of the following drawings: <ul style="list-style-type: none"> <input type="checkbox"/> isometric <input type="checkbox"/> oblique (either Cavalier or Cabinet) <input type="checkbox"/> perspective (either one-point or two-point) or <input type="checkbox"/> a drawing(s) appropriate for illustrating assembled surface developments <input type="checkbox"/> produces at least one multiview drawing or <input type="checkbox"/> produces a surface development <input type="checkbox"/> uses drafting techniques to illustrate a particular aspect of a designed solution <input type="checkbox"/> where appropriate, uses drafting techniques to illustrate how parts of a design go together <input type="checkbox"/> uses general drafting conventions where appropriate <p>Equipment and Materials</p> <ul style="list-style-type: none"> <input type="checkbox"/> selects and uses appropriate equipment/materials <input type="checkbox"/> follows safe procedures/techniques <input type="checkbox"/> returns clean equipment/materials to storage area |
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| <p>COMMENTS</p> |
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