

VCD Drawing Schema

Design Process Context

Observation

Looking

- The physical acts of observation.
- Viewer and object positioning.
- Focus and attention.

Seeing

- Acknowledging the object.
- Attribute collection and storage.
- Macro, micro and meta information.
- The object may be physical (real) or imaginary.

Spatial Location Translation

- Defining relationships in 3D space.
- Orientations of object(s) to field.
- Environmental and contextual factors.
- Viewpoint, perspective, lighting, atmosphere.

- Abstraction to a cognitive function.
- Measurement.
- Scale.
- Projections and elevations.
- Explosions.
- Simplification into outline, form, shape, colour.
- Geometry.

Depiction

- Instruments.
- Tools.
- Technique.
- Skills.
- Selection for task.
- Mastery.
- Use of Elements and Principles (form, shape, colour, texture).

Analysis

- Comparison to cognitive model.
- Comparison to context requirements.

Evaluation

- Fit-for-purpose decision.
- Cycle back through the drawing process if required.

Annotation

- Context-appropriate dimensions, labels and notes.
- Context-appropriate layout.
- Folio process annotations.

Reflection

- Overall process reflection.
- Feedback into next cycle.