Landscape Digital Design
Visitor Information Panel
Winter Gardens, Avery Hill Park

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The Brief

Design a visitor information panel for the Winter Garden at Avery Hill. The panel should be 1.2m x 1.2m x 40mm and the base of the panel should be 1.0m above the ground. The panel should be located outside the Winter Garden and within 50m of it.
Steps 1 & 2: Site visit & Design

Possible locations

Inspiration (+ internet research into info boards)

Semi-circular arch

Scaffolding poles

Colour - rich red/orange (copper?)
Step 3: Drawing in 2D

Learning to draw
Basic lines & shapes
Moving
Copying
Snapping
Polar co-ordinates
Selecting
Trimming/ extending
Layers

Replicating a drawing with accurate dimensions

2D drawing of information board
Step 4: Drawing in 3D

1. Using Sweep to create the frame (draw circle & path)
2. Draw Polyline then Extrude to create info board; add frame with Polysolid
3. Creating bolt heads: draw sphere, then Subtract block
4. Attach bolt heads to blot (cylinder); bracket extruded from Polyline, with cylinders added to end (Union); holes formed using PushPull
5. Attach bracket, Mirror, then Rotate board to fit frame
The final model
Step 5: Information panel

Photoshop:
- Selections: New, Add to, Subtract From, Intersection
- Lasso tools: Freehand, Polygonal, Magnetic, Quick Selection, Magic Wand (Tolerance, Contiguous?)
- Inverse selection
- Saving, Loading & Combining Selections
- Quick mask
- Layers
- Scaling (Chain icon), Rotating, Opacity
- Adding text
Step 6: Applying materials

In AutoCAD:
- Insert menu > Attach
- Select > Open, Scale of 1200 (longest side)
- Click, Rotate & Position – 1mm off board face
- Drag & Drop other materials onto objects from Materials Browser
Step 7: Putting it all Together

In AutoCAD:
- Adjust perspective
- Render tab > Advanced Render Settings > small T-pot > Output file: PNG, 24bit > Output size: 2000 (locked) > Big T-pot to render

In Photoshop:
- Resize background image to 1024 wide (lock aspect ratio)
- Open PNG file, Copy onto background, place, adjust & add shadow
- SAVE & RELAX!