- 1. The details of the changes made to your classes.
  - The texture setup: updated initializeTexture() to include glTexParameteri(GL\_TEXTURE\_2D,

GL\_TEXTURE\_WRAP\_S,
GL\_CLAMP\_TO\_BORDER);

2.

- 3. The vertex setup
- 4. The setup for buffers
- 5. Model matrix setup
- 6. Update of model matrix
- 7. Rendering details
- 2. Your solar system details:
  - 1. Model stacks
  - 2. Updates
  - 3. Rendering
- 3. Your camera movements
- 4. Details of change in the graphics/engine pipeline that enables your sophisticated solar system animation.

Made changes to line 139 on graphics.cpp to update m\_sphere to m\_mesh, added glVertexAttribPointer(posAttribLoc, 3, GL\_FLOAT, GL\_FALSE, sizeof(Vertex), 0); glVertexAttribPointer(colAttribLoc, 3, GL\_FLOAT, GL\_FALSE, sizeof(Vertex), (void)offsetof(Vertex, normal)); glVertexAttribPointer(tcAttribLoc, 2, GL\_FLOAT, GL\_FALSE, sizeof(Vertex), (void)offsetof(Vertex, texcoord)); to both mesh and sphere.cpp