# Windy Awakening

Name: Kevin Haslett
User ID: kahaslet
Student ID: 20468033

**Artistic Merit (Polish/Artistry/Humour)**

**Technical Merit (Algorithms/User Interface/Graphics Techniques)**

**Difficulty**

**Code/Documentation/Demo**

**Mark**

| | |
|---|---|
| Objective Mark: | /10 |
| Subjective Mark: | /6 |
| Total | /16 |

# Windy Awakening

Name: Kevin Haslett
User ID: kahaslet
Student ID: 20468033

## Objectives

___ **1:** Texture Mapping

___ **2:** Cell Shading

___ **3:** Shadow Mapping

___ **4:** Bloom Shader

___ **5:** Gooch Lighting Model and Day/Night Cycle

___ **6:** Voronoi Diagrams

___ **7:** Edge Detection

___ **8:** Gaussian Blur and Threshold Mapping to Generate Final Water Texture

___ **9:** Island Terrain Generated Using Perlin Noise

___ **10:** Simple Sailing Physics

### Extra Objectives

___ **11:** Animated Infinite Water Geometry

___ **12:** Gradient Texture Sampling and Beautiful Sunset

___ **13:** Rigging and Posing Models