Project 1: Animated Scene

In your first project in OpenGL 1.1, you are supposed to create a 3D animated scene. The marking scheme below demonstrates how that will be assessed.

Marking Criteria	Complexity of the scene	Detail of Models & Usage of the scene graph	Lighting, textures & shadows	Adjustment of the camera	Kinematics	Animation	Creativity
Weight to 100	15	15	10	10	15	20	15
A+, A, A-	The scene contains multiple models within an interesting suitable environment	Every model is detailed, contains multiple structures, and uses detailed scene graph	The scene uses multiple directional lights and multiple textures, has simple shadows following with the models	The viewing angle of the camera is adjusted according to the movement of the object	There are multiple objects moving in a logical manner	Complex animation in the scene using multiple objects	There is extensive evidence of creativity on the part of the student to create a scene that looks visually entertaining
B+, B, B-	Contains multiple models within logical environment	Every model is detailed and contains several separated structures	Uses one directional light and ambient light which effects a texture. At least one static shadow	The camera is statically placed at an angle in a logical manner	There is at least one object moving in a logical manner	Complex animation in the scene using at least one object	Evidence of some creativity on behalf of the student and the scene looks somewhat entertaining
C+, C, C-, D+, D, D-	Contains multiple models	Every model is detailed	Uses a simple ambient light and at least one texture. No shadows	The camera is placed at an angle where can merely see the scene	Any animation moves in a repetitive manner	Animation in the scene using at least one object	The scene has some elements that are visually appealing
E, F, NG	Only one model in the scene	Only simple shapes & details	No lighting or shadows	No adjustment to the camera or cannot see the scene	No logical of any kind motion	No animation is used in the scene	The scene demonstrates little or no creativity