











	ader	_ 8
#version 3	30 compatibility	
uniform flo	at uKa;	
uniform flo	at uKd;	
uniform flo	at uKs;	
	at uShininess;	
uniform flo		
	npler2D Color_Map;	
uniform sa	npler2D Normal_Map;	
	IrfacePosition;	
	InfaceNormal; // not actually using this – just here if we need it	
in vec3 vE		
in vec2 vS	C,	
	LIGHTPOSITION = vec3( 0., 10., 0. );	
const vec3	WHITE = vec3( 1., 1., 1.);	
void		
main()		
{		
i.	vec3 P = vSurfacePosition:	
	vec3 E = normalize( vEveVector );	
	vec3 N = normalize(gl_NormalMatrix * (2.*texture(Normal_Map, uFreq*vST ).xyz - vec3(1.,1.,1.)));	
	vec3 L = normalize(LIGHTPOSITION - P);	
	vec3 Ambient = uKa * texture( Color Map, uFreq * vST ).rgb;	
	float Diffuse_Intensity = dot( N, L );	
	vec3 Diffuse = uKd * Diffuse_Intensity * texture( Color_Map, uFreq * vST ).rgb;	
	float Specular_Intensity = pow( max( dot( reflect( -L, N ), E ), 0. ), uShininess );	
	vec3 Specular = uKs * Specular_Intensity * WHITE;	
	gl FragColor = vec4(Ambient+Diffuse + Specular, 1.);	