

Table 5b: Modeling Curriculum and the NYSS that Apply to Each Activity in Unit Five

Activity title and number	New York State Standards	
1) Properties of Light Demo & Worksheet 1a: Light Sources	Standard 1	S1 S2.1 S2.3 S2.4 S3.1 S3.3 S3.4
	Standard 6	2.1 2.2 2.4
2) Observing Shadows Lab & Worksheet 1b: Shadows	Standard 1	S1 S2.1 S2.3 S2.4 S3.1 S3.3 S3.4
	Standard 2	1.5
	Standard 4	4.3viii
	Standard 6	2.2 2.4
3) Pinhole Camera and Worksheet 2	Standard 1	S1 S2.1 S2.3 S2.4 S3.1 S3.3 S3.4
	Standard 6	2.2 2.4 4.1

4) Reading 1: Nature of Light	Standard 1	S2.2
5) Quiz 1	Standard 4	4.3viii
6) Light Intensity	Standard 1	M1.1 M2.1 M3.1 S1 S2.1 S2.3 S2.4 S3.1 S3.2 S3.4
	Standard 2	1.1
	Standard 6	2.1 2.2 2.3 2.4 5.1 5.2
7) Worksheet 3: Light Intensity	Standard 6	3.1 5.1
8) Lab: Reflection in a Plane Mirror	Standard 1	S1 S2.1 S2.3 S2.4 S3.1 S3.3 S3.4
	Standard 4	4.1viii
	Standard 6	2.2 2.4 5.2

9) Worksheet 4: Reflection Problems	Standard 2	3
	Standard 4	4.1viii
10) Quiz Particle Model of Light	Standard 4	4.3viii
	Standard 6	2.1 5.2
	Standard 7	1
11) Optional Curved Mirror Lab	Standard 1	M1.1
		M2.1
		M3.1
		S1
		S2.1
		S2.3
		S2.4
		S3.1
		S3.2
		S3.3
	S3.4	
	Standard 2	1.1
	Standard 4	4.3viii
Standard 6	2.1	
	2.2	
	2.3	
	2.4	
	5.1	
Standard 7	5.2	
	1	

12) Optional Worksheet 5: Curved Mirror Diagrams	Standard 2	
		1.5
	Standard 4	
		4.3viii
	Standard 6	
		2.1
		5.2
	Standard 7	
		1
13) Optional Worksheet 6: Mirror Problems (quantitative)	Standard 1	
		S1
	Standard 4	
		4.3viii
	Standard 6	
		5.1
		5.2
14) Refraction Lab	Standard 1	
		S1
		S2.1
		S2.3
		S2.4
		S3.1
		S3.2
		S3.3
		S3.4
	Standard 4	
		4.3vii
		4.3viii
		4.3ix
Standard 6		
	1.1	
	2.1	
	2.2	
	2.3	
	2.4	
15) Worksheet 7: Particle Model of Light	Standard 1	
		M3.1
		S1
		S3.1
	Standard 4	
		4.3viii
		4.3ix
	Standard 6	
	2.3	
	5.1	
Standard 7		
	1	

16) Reading: Speed of Light	Standard 1	
	Standard 2	S2.2
	Standard 7	2 3 1
17) Quiz: Refraction	Standard 4	4.3viii 4.3ix
18) Optional Lab: Lenses	Standard 1	M3.1 S1 S2.1 S2.3 S2.4 S3.1 S3.3 S3.4
	Standard 4	4.3viii
	Standard 6	2.1 2.2 2.4
19) Optional Worksheet: Lens Diagrams (qualitative)	Standard 1	S3.4
	Standard 4	4.3viii
	Standard 6	2.1
20) Optional Worksheet 9: Lens Problems (quantitative)	Standard 1	M3.1
	Standard 4	4.3viii
	Standard 6	1 2.1
	Standard 7	1
20a) Optional Reading: Mirror Magic	Standard 1	S2.2
21) Particle Model Of Light Test	Standard 1	M1.1 M3.1
	Standard 4	4.3viii 4.3ix
	Standard 6	2.1 5.1