

Contents

Solar System and Beyond TEACHER EDITION

1	TALKING IT OVER		
	Exploring Space	3	
2	INVESTIGATION		
	The Predictable Moon	21	
3	MODELING		
	Explaining the Moon Phases	33	
4	COMPUTER SIMULATION		
	Moon Phase Simulation	53	
5	MODELING		
	The Moon's Orbit	63	
6	INVESTIGATION		
	Changing Sunlight	73	
7	COMPUTER SIMULATION		
	A Year Viewed From Space	91	
8	MODELING		
	Earth's Tilt	109	
9	READING		
	Earth on the Move	121	
10	INVESTIGATION		
	Observing Objects in Space	129	
11	MODELING		
	Drawing the Solar System	139	
12	PROJECT		
	How Big Are the Planets?	151	
13	INVESTIGATION		
	Identifying Planets	165	
14	TALKING IT OVER		
	Gravitational Force	173	
15	READING		
	The Effects of Gravity	183	
16	COMPUTER SIMULATION		
	Modeling Gravity	191	
17	TALKING IT OVER		
	Choosing a Mission	201	