Readorium Alignment to FOSS Kit: Astronomy		
Readorium Books	Magazine Articles (A) and Science Alive	Teacher Resource Center
By Standard	Videos (V) By Standard	Classroom Strategy Lessons (CL)
		with Articles (A) by Standard
NGSS: MS-ESS1-1: Motion and Stability: Forces and Interactions: Forces and Motion: For any pair of interacting objects,		
the force exerted by the first object on the second object is equal in strength to the force that the second object exerts on the		
first, but in the opposite direction (Newton's third law). (MS-PS2-1)		
The motion of an object is determined by the sum of the forces acting on it; if the total force on the object is not zero, its		
motion will change. The greater the mass of the object, the greater the force needed to achieve the same change in motion. For		
any given object, a larger force causes a larger change in motion. (MS-PS2-2)		
All positions of objects and the directions of forces and motions must be described in an arbitrarily chosen reference frame and		
arbitrarily chosen units of size. In order to share information with other people, these choices must also be shared. (MS-PS2-2)		
Total Lunacy	• The Surface and Eclipses of the Moon (A)	
Earth in Motion		
 Inner and Outer Planets 		
NGSS: MS-ESS1-2: Motion and Stability: Forces and Interactions: Forces and Motion: Gravitational forces are always		
attractive. There is a gravitational force between any two masses, but it is very small except when one or both of the objects		
have large mass-e.g., Earth and the sun. (MS-PS2-4)		
Forces that act at a distance (electric and magnetic) can be explained by fields that extend through space and can be mapped by		
their effect on a test object (a ball, a charged object, or a magnet, respectively). (MS-PS2-5)		
Total Lunacy	• Space Junk: Are We Trashing our Solar	
Lives of Stars	System? (A)	
Space Rocks!	• The Deep Mystery of Black Holes (A)	
	Sparkling Sunspots(V)	
	• Gaps in the Galaxies(V)	· -· · · · · ·
NGSS: MS-ESS1-3: Engineering Design: Defining and Delimiting an Engineering Problem: The more precisely a design		
task's criteria and constraints can be defined, the more likely it is that the designed solution will be successful. Specification of		
constraints includes consideration of scientific principles and other relevant knowledge that is likely to limit possible solutions.		
(MS-ETS1-4) (secondary to MS-PS-3-3)		
 Inner and Outer Planets 	 Let's Save Our Planet! (A) 	 Context Clues (CL-2, A-2, The Search for Life on Mars)