

National Science Standards Mapped to PlanetQuest Activities

The numbers in the cells refer to the ID number of the PlanetQuest Kit Activity (see table at the bottom of the page).

SCIENCE CONTENT	Sky	Apparent Motion	Stars			Ideas	Actual Motion	Matter
TEACHING METHOD	Atmospheric Processes (K-4, 5-8)	Sun is a star like nighttime points of light (5-8)	Sun is a star (K-4)/ an avg star(5-8)	Sun formed from cloud of gas & dust (9-12)	Heavier elements form in stars (9-12)	Gravity governs Motions in universe (5-8)	Gravity is force that keeps objects in orbit (5-8)	Compounds combine to form living & non-living things (5-8)
SI-Science As An Inquiry	4	1, 3	1, 3				3	
TC-Technology Connections	4	1, 3	1, 3				3	
PS-Personal/Social Connections		2		2	2	2		2
NH-Nature & History of Science		2		2	2	2		2
UC-Unifying Concepts & Processes	4							

ID	PlanetQuest Kit Activity	Teaching Method	Science Content
1	Where are the Distant Worlds? Star Maps	SI/TC	Apparent Motion; Stars
2	Telescope Treasure Hunt: Star & Planet Formation	PS/NH	Apparent Motion; Stars; Ideas;Matter
3	How do we Find Planets Around Other Stars?	SI/TC	Apparent Motion; Stars; Actl Motion
4	Why Do We Put Telescopes in Space?	SI/TC/UC	Sky