



# Universe in Motion

**90-minute Program \* Best suited for grade 6**  
**Science Standards: 6.E.1**

*Schools in New Hanover County: \$4 per student*  
*Schools outside New Hanover County: \$7 per student*

## **EXPLORE BODY SYSTEMS!**

Participate in interactive demonstrations, examine scientific models, and experience digital planetarium simulations to learn how the regular, predictable motions of celestial bodies in our solar system affect what we see in the night sky and what we experience here on Earth.

## **PROGRAM ACTIVITIES INCLUDE:**

### **PART I: EARTH & SUN**

Investigate what causes day and night, as well as seasons, to occur. Witness how sunlight changes throughout the day. Analyze solstices and equinoxes and what makes them significant.

### **PART II: EARTH AND MOON**

Examine how the moon rotates and how lunar phases and eclipses occur. Discover what causes the tides, what distinguishes them, and why they change so frequently.

### **PART III: FULL-DOME DIGITAL VIDEO**

Step inside our planetarium to experience *Totality*, a full-dome digital video exploring eclipses. Discover how and when eclipses occur, and learn how a photographic recording of a total solar eclipse helped prove general relativity.

**Call 910.798.4362 or email [cfmprograms@nhcgov.com](mailto:cfmprograms@nhcgov.com) to schedule your field trip!**



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