

## Class Ten Readings

### **Assigned**

Huygens, Christiaan. "Another Construction, Based on the Circular Motion of Pendula, and the Theorems on Centrifugal Force." In *Horologium Oscillatorium*, 173-78.

Huygens, Christiaan. "The Center of Oscillation." In *Horologium Oscillatorium*, 105-70.

Huygens, Christiaan. "The Falling of Heavy Bodies and Their Motion in a Cycloid." In *Horologium Oscillatorium*, 40-46.

Huygens, Christiaan. "On Centrifugal Force." *Oeuvres Completes* 16 (1659): 255-301.

Huygens, Christiaan. "On the Motion of Bodies Resulting from Impact." *Ouvres Completes* 16 (1703): 29-91.

Huygens, Christiaan. *The Pendulum Clock or Geometrical Demonstrations Concerning the Motion of Pendula as Applied to Clocks*. Iowa State University Press, 1986.

Leibniz, Gottfried Wilhelm. "A Brief Demonstration of a Notable Error of Descartes and Others Concerning a Natural Law, According to Which God is Said Always to Conserve the Same Quantity of Motion; a Law Which They Also Misuse in Mechanics." *Acta Eruditorum* (1686): 296-302.

### **Supplemental**

Baker, Gregory, and James Blackburn. "The Pendulum Clock." In *The Pendulum: A Case Study in Physics*, 233-57. Oxford University Press, 2005.

Kragh, Helge. "Huygens, Christiaan." In *Dictionary of Scientific Biography*, 597-613. New York: Charles Scribner's Sons, 1970-80.

Murray, Gemma, William Harper, and Curtis Wilson. "Huygens, Wren, Wallis, and Newton on Rules of Impact and Reflection." In *Vanishing Matter and the Laws of Motion: Descartes and Beyond*, 153-91. Routledge, 2010.

Smith, George E. "The Vis Viva Dispute: A Controversy at the Dawn of Dynamics." *Physics Today* 59, no. 10 (2006): 31-36.