NOVA
LOST AT SEA: THE SEARCH FOR LONGITUDE
BEFORE VIEWING THE VIDEO, ANSWER THE FOLLOWING QUESTIONS:
a. What is longitude? What is the reference line associated with longitude?

b. What is latitude? What is the reference line associated with latitude?

c. What was the historical event that happened to cause people to want to develop a way to pinpoint positions on a map?

d. Why is longitude associated with time?

WHILE VIEWING THE VIDEO, ANSWER THE FOLLOWING QUESTIONS:
1. How long ago was longitude invented?

2. Why was it important for nations to be able to pinpoint positions in the oceans?

3. Why is John Harrison important? What did he do for a living?

4. How was the speed of the ship measured? What is a knot?

5. What is dead reckoning? What were some problems using knots to measure distance?

6. What is latitude? What is 0 degrees latitude?

7. What is longitude? What are lines of longitude called?

8. How was latitude calculated on a ship?

9. Why was it easy for pirates to capture cargo ships?