



## **BrainWorks: Brain Computer Interface**

### **Viewing Guide**

Here are some questions to ask yourself before and after you watch “BrainWorks: Brain-Computer Interface.”

**Before** you watch the show:

1. What type of energy does the brain use when it sends signals?
2. What are the possible benefits of connecting a brain to a computer or machine?
3. What are the possible problems with connecting a brain to a computer or machine?

**After** you watch the show:

1. How did the kids hear and see the activity within a nerve?
2. How did the kids control a robotic gripper?
3. Can a computer really read a person’s thoughts?
4. What type of doctor is Jeff Ojemann?

5. How does Dr. Ojemann record signals from the brain?
6. What happened to Jessie?
7. How is Jessie working to regain function?
8. Where does Dr. Sara Goering work?
9. What is the field of neuroethics?
10. What are some of the neuroethical questions associated with brain-computer interfaces?