**Robots in Action Video Submittal Form**

**Logistics:**

1. The first segment shows a complex system sorting boxes. Is this a robot? Why or why not?
2. The robot arm in the second segment is stacking items onto two pallets. Notice the way the boxes are positioned. What does this robot have to “know” to stack the boxes correctly?
3. What are some tasks that might still be important for people to do in logistics?

**Medical:**

1. The surgery robots are controlled by using the hand controllers and a video screen. How does this system make surgical procedures better? How might it make surgery more difficult?
2. If robots are more accurate than people, why are robots not used for all medical dispensing at the pharmacy, at the hospital and at a manufacturer?
3. Would you prefer to use a wheelchair or the REX system if you had limited use of your legs? Why?

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**Personal:**

1. A woman is talking to another person using a robot with telepresence. How does that help her? Are there any negative consequences?
2. Would you like to play basketball with a robot? Would you win?

1. One robot is making pancakes. What chores would you want a robot to do for you?

**Production:**

1. What are some of the tasks you observe the robots doing?

1. Why are robots used for these tasks instead of a person?
2. What are the roles of people in these processes?

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**Safety & Security:**

1. For what is a rover robot useful after a natural disaster?
2. How can robotic systems reduce or eliminate traffic accidents?
3. When is it appropriate to have robotic cameras and other autonomous systems taking photographs or videos?

**Space:**

1. Astronauts are using the Canadarm robotic system to retrieve and repair the Hubble Space Telescope. How is teamwork critical to this mission?

1. Curiosity is the rover deployed on Mars. What data and samples might it collect?
2. How can a robonaut, or robotic astronaut, help the human astronauts? What tasks might robonauts perform?

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**Transportation:**

1. What similarities do you see among the examples?
2. What differences do you see among the examples?
3. The Ultrapod urban light transit system is in use at Heathrow Airport in England. Why does it make sense to have a robotic train system in use there?