

# ***Collaboration Exercise***



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# ***A Transportation Device***

- **Each person designs a transportation device. It needs to be able to:**
  - **Transport people between 1 and 10 miles per hour**
  - **Stop on demand**
  - **Carry at least one person**
  - **Restrain at least one person (so they don't fall out)**
  - **Look nice**
- **Draw your transportation device. Work alone! Don't look at your neighbor's paper! No collaboration! No talking!**

# *Integration*

- **What time did you wake up this morning?  
Provide a rank order from earliest to latest.**
- **1: Braking system**
- **2: Restraint system**
- **3: Propulsion system**
- **4: Appearance**
- **Integrate!!**

# ***A Movie Script***

- **Each group writes the plot for next summer's movie hit. It needs to have:**
  - **A love interest between well-known movie stars**
  - **Attraction for the 18-45 age bracket**
  - **Explosions. Lots of explosions.**
  - **A significant plot twist.**
- **Work in pairs.**
- **Decide who is pair 1 and who is pair 2.**
- **Integrate . . .**
  - **Pair 1's: Movie stars and Explosions**
  - **Pair 2's: Romantic storyline and Plot twist**

# ***Robotic classroom assistant***

- Each group designs the features for a robotic classroom assistant. The system must:
  - Person 1: Monitor the number of people in the room
  - Person 2: Have a mechanism the instructor can use to get the students' attention
  - Person 3: Make it possible to communicate materials between instructor and student
  - Person 4: Have an interesting, marketable name
- Pair: 1 and 2; 3 and 4
- Pair: 1 and 3; 2 and 4
- Pair: 1 and 4; 2 and 3
- Individually: draw and name the product.
  - No talking 😊
- Integrate!