**Average Velocity and instantaneous velocity research**

**\*\*Use your devices to do the following:**

1. **What is the difference between instantaneous velocity and average velocity?**
2. **How is average velocity calculated?**
3. **How could you calculate the velocity of a dropped object the instant before it hits the ground?**
4. **What is the fastest known average velocity achieved (or recorded) by a car that has traveled across our country?**
5. **What is the fastest known instantaneous velocity achieved (or recorded) by a car in our country?**