

## VI. Engineer Tasks

### Check when finished:

- Divide track into sections and number each segment
- Determine the speed of each section based on force and motion principles  
Use roller coaster Web sites to gather information, record on chart
- Determine materials used for track  
Use roller coaster Web site to gather information, record on chart
- Determine car design
- Calculate for acceleration and record on chart

**Notes from Internet research on roller coasters:**

**Notes on safety, car design, and track materials:**

Chart for Segments of Track

Segment	Force	Mass	Potential Energy	Kinetic Energy	Acceleration
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

