

ROOSEVELT

ROUGHRIDERS

Roosevelt High School

Fall 2018 GT Seminar Project



You will research the following aspects of sky diving (parachuting) and combine them into a presentation using a format of your choice (video/movie, prezi, power point, tri-fold display board, etc.) Your completed project will be due to Mrs. Valencia no later than Monday November 26th by 2:35.

- Basic Procedure of Sky Diving (Parachuting)
- Skills
 - Free-fall maneuvers
 - Parachute operation and landing
- Safety
 - Overall main safety precautions
 - Parachuting and weather
- Types of Parachuting (pick 4 to discuss)
 - Accuracy landing
 - BASE jumping
 - Blade running
 - Big-ways
 - Canopy formation or CREW
 - Canopy piloting or swooping
 - Formation skydiving
 - Freefall style

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- Freelying
- Freestyle skydiving
- Military Parachuting HALO/HAHO and Tree Jumping
- Para-ski
- Skysurfing
- Vertical Formation Skydiving or VRW
- Wingsuit flying
- Parachute Deployment
- Variations of Parachuting (pick 2 to discuss)
 - Hit and rock
 - Pond swooping
 - Cross-Country
 - Camera flying
 - Night jumps
 - Stuff jumps
- Academic Applications: **Be very thorough on this section!**
 - How do concepts in courses of study such as science, math and geography apply to sky diving? Be specific in your examples of application
 - What STEM concepts are used to develop indoor wind tunnels that simulate skydiving
- Parachuting Organizations
- Training Needed – be specific
- Equipment and Cost
- Records Held

Projects are due to Mrs. Valencia no later than 2:35 PM on Monday November 26, 2018

Our field trip will be to iFly in Denver on Friday December 7th. We will engage in a classroom experience that addresses STEM topics in the design and development of wind tunnels and then experience indoor sky diving. A trip information sheet will be given to you after the turn-in date that will outline details of the field trip.