

| Vertical Snowmobile Challenge Rubric | | | |
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| Jared Reiman | | | |
| Tasks | Stock | Modified | Top Fuel |
| Planning Trail | drew a simple map of the trail | contacted snowmobile club, city, drew map, but didn't get approved | attended meetings, drew a detailed map, and got approved |
| Final Trail | cleared just enough brush the width of one snowmobile | made safe standard width snowmobile trail | made standard width trail marked and added to snowmobile maps |
| Snowmobile Riding Skills | able to keep snowmobile from getting stuck in deep snow | able to climb steep hills and clear 50 foot jumps | able to climb hills clear jumps and perform tricks |
| Performance Engine Knowledge | refreshed my mind of basic engine performance | learned many more ways to modify an engine | understand concepts of tuning an engine enough to perform my own work |
| Reliability of Phazer | melts a piston after ten minutes of riding | able to ride for an hour before letting the engine cool down | ride for any length of time in 30° weather without overheating engine |
| Custom Exhaust Pipe | looks good but makes engine run worse than stock | looks good and engine runs the same | gives improved performance |
| Pictures/ Video | took pictures of snowmobiles worked on | got pictures of me working on and riding snowmobiles | got pictures and video of me working on and riding snowmobiles |
| Final Video | unedited video of riding | well edited video from several recordings | added music to my edited film to create a professional looking film |
| Research | researched on all my topics | multi sources including 1 live source and demonstrates knowledge of research | fully understand topics and able to apply my knowledge to real life situations |
| Research Paper | 5 page paper barely stays on topic and has many grammar problems | 5 page paper stays on topic with few grammar problems | well written 10 page paper with few grammar problems |
| Timelogs | 1 weak sentence per hour of work | 1 strong sentence per hour of work | 3 strong sentences per hour of work |
| Presentation | 25 minutes of boring lecture | met requirements set by team and kept audience engaged | requirements met while keeping audience entertained |
| Reflection | poor quality paper covering what I liked and didn't like | quality reflection with detailed sentences on what I thought throughout the project and learned | wrote about everything I did and learned with detail and without leaving anything out |
| Friday Activity | showed students how to check sparkplug and adjust carburetor | taught students general maintenance of a snowmobile | taught students all the general maintenance well enough for them to work on a sled by themselves |
| Internship with Brian | watched Brian work on snowmobiles | helped Brian work on snowmobiles developing knowledge on tuning snowmobiles | worked on snowmobiles by myself after learning how |
| Web site Design | created a simple boring site with little body | created an interesting site with video, picture, and information | created an interesting site with links and multiple pages of video, pictures, and information |