



Track-a-thon

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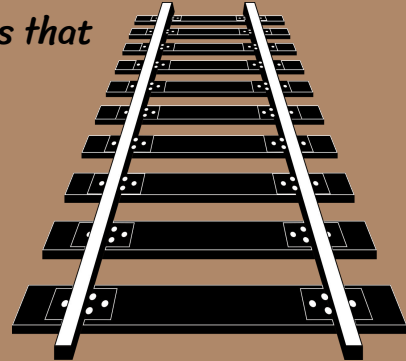
What are the safety issues faced at rail grade crossings or train tracks?

1 When drivers attempt to beat the train because they do not want to wait, and the speed of the train are faster than the driver expect.

2 Stopping too close to the railroad and drivers not being able to back up can cause train collisions, and therefore cause injury to drivers

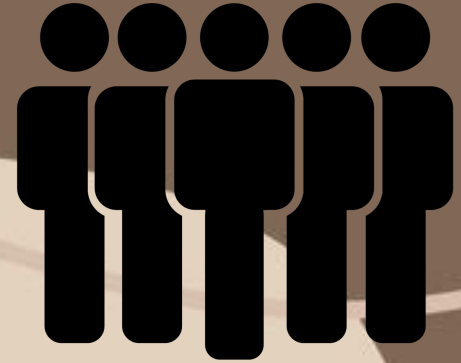
3 Sometimes railroads do not have good enough or don't even have signs/signals and drivers are unaware that the train is about to cross.

Other safety issues include rail road mistakes, inexperienced drivers, and trains that operate too fast for its environment.



Why is rail crossing safety important to me or my community?

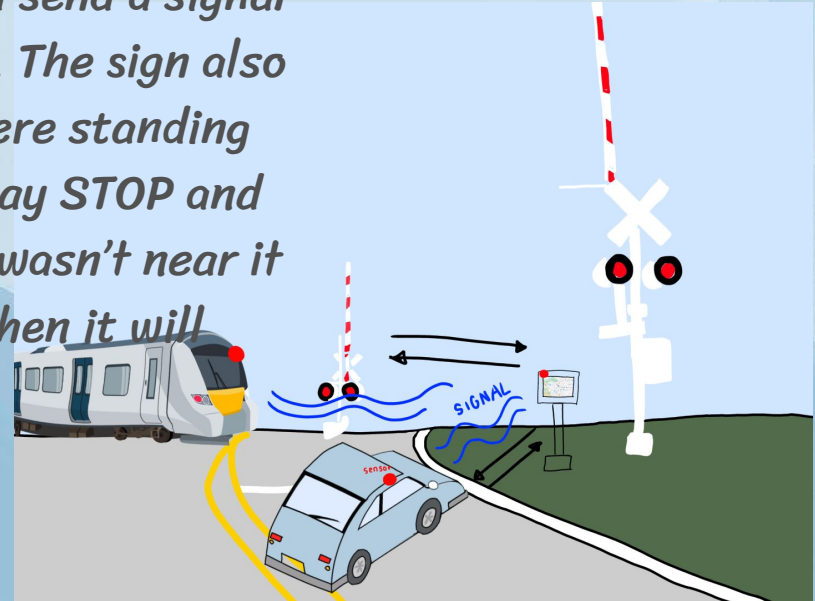
Railroad crossing safety is important to me and my community because trains are estimated to kill one person every 100 minutes and that equals almost 1,000 deaths every year because of train connected accidents. And it is important to me because my school has a railroad across from it and some seniors drive to get lunch, and rail road safety is very important for them. I have to cross that railroad and another one to get home, so rail crossing safety is very important to me.



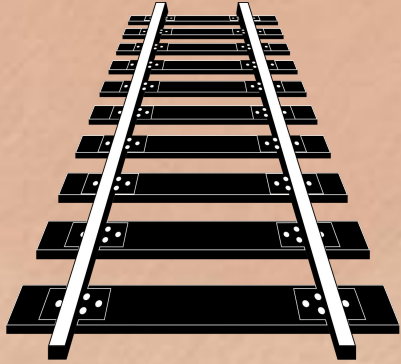
My innovation



My innovation is to have a sensor on the car and on a sign near the railroad, there would also be a sensor on the train sending a signal to the sign that indicates it is near, which would be 15-30 seconds. Then the sign would send a signal to the car and the sensor would make it stop. The sign also would also have a sensor to know if people were standing near the railroad tracks, and the sign would say STOP and have a countdown if it was near. If the train wasn't near it would have a map of where the train is and when it will cross.



How is your innovation going to save lives?



My innovation will save lives because it is going to not let reckless drivers drive and get hit, and will warn people when the train is coming. This would stop the car or warn the person when they are close to the railroad. My innovation also makes sure cars or people know when the train is coming and makes sure they are not on the tracks when the train crosses.



Citations

<https://www.hg.org/legal-articles/railroad-intersection-dangers-38984>

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