

Safe Driving Lesson Plan

Probability

Grade level: 10-12

Subject area: Math

Duration: 20-50 minutes

Objectives:

Students will do the following:

- Review the possible consequences of making risky choices
- Become familiar with statistics involving teens crashes

Materials:

- Impact Posters
- Impact Probability Wheel
- Impact DVD mini-documentaries

Procedures:

- Review the statistics using the Impact Probability Wheel (also available via www.impactteendrivers.org).
- Break the students up into groups and have them calculate the statistics of different risky behaviors behind the wheel (i.e. driving with two friends during daylight while eating).
- Have the students write three word problems involving statistics and risky drivers.

Standards:

The following content standards are from the California State Board of Education for students in grades 9-12.

- Students know the definition of *conditional probability* and use it to solve for probabilities in finite sample spaces.