



Name: _____ Date: _____ Period: _____

GRADES 9-12 | LESSON 9

HADDON MATRIX WORKSHEET TEMPLATE

CRASH PREVENTION & EMERGENCY RESPONSE

UNDERSTANDING THE HADDON MATRIX

The Haddon Matrix is a tool used to analyze injuries and crashes by looking at:

- Human Factors (people involved)
- Vehicle/Equipment Factors (cars, bikes, technology, safety features)
- Environmental Factors (roads, weather, laws, surroundings)

It also examines what happens during three phases:

1. Before the Crash (Pre-Event)
2. During the Crash (Event)
3. After the Crash (Post-Event)

SCENARIO / CRASH SITUATION

Describe the traffic safety scenario being analyzed:

Use the matrix below to identify factors that may increase or reduce injury risk.

PHASE	HUMAN FACTORS	VEHICLE / EQUIPMENT FACTORS	ENVIRONMENTAL FACTORS
Pre-Event (Before the crash)			
Event (During the crash)			
Post-Event (After the crash)			

REFLECTION QUESTIONS

1. What human behavior contributed most to the crash risk?
2. What safety feature or equipment could have reduced injuries?
3. What environmental conditions affected the situation?
4. What actions could help prevent a similar crash in the future?

EXTENSION ACTIVITY

Choose one factor from the matrix and explain how changing it could improve safety.