

Systems for Safety

Unit Question: What keeps me safe?

Enduring Understanding: Systems are developed for specific purposes.

Area of Interaction: Health and Social Education

In this unit students explore how humans interact with technological systems. Technological systems are created by humans to meet our transportation wants and needs. Our safety depends on systems, like airbags and anti-lock braking systems found in cars. Systems like fire and smoke detectors protect us in our homes and businesses. In short, there are many systems designed to protect the lives and safety of people.

Growing up usually means becoming part of a larger community of drivers and citizens. When driving a car, you're interacting with a highly complex technological system.

Roads are safest when drivers act as responsible citizens. When driving a car you are part of a community that shares-the-road. Laws, rules and driving skill are key to making our roads safer. Technology is also making cars safer. In this unit we ask questions about our safety and how systems play a role in keeping us safe and healthy.

We will explore the systems that make cars safer than ever. Design teams follow the design cycle steps (investigate, design, plan, create and evaluate) to make a product/solution that protects a fresh egg in a "crash test".

In this unit students will also consider how to safely use machines and tools. To create the product/solution tools and machines will be used to separate (cut, drill, etc...) and combine (glue, fasten, etc...) materials.

Area of Interaction: Approaches to Learning

Like all MYP units, we pay attention to the ways we learn new things. In this unit we will learn through many different learning methods (approaches to learning). Ask yourself: How do I learn new things best?