

Creating an immersive lab safety training for Villanova students using SafeChem**VR**

Let's make this a new home for safety!

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Our Goal:

How can we ensure safety in
the Chemistry Lab here at
Villanova?

As students: Promote safety and
prevent injuries

Instill an effective and safe lab
environment

Welcome to the VR Chem Lab!

This project is designed to provide you with a
fun and interactive learning experience that
educates you on the equipment and safety
procedures in a Chemistry Lab!



To get started, click on the “Next” button
to the right of this screen. This will take
you to the “What to Wear” section of the
training!

Credit to Dr. Michael Heinrich, CHM 1103

LiDAR

Scan Registration

User Input

3D Virtual Reality



Our Product:

An immersive tour of an identical Villanova lab environment with the presentation of lab equipment and procedures.

Findings?

Future?

