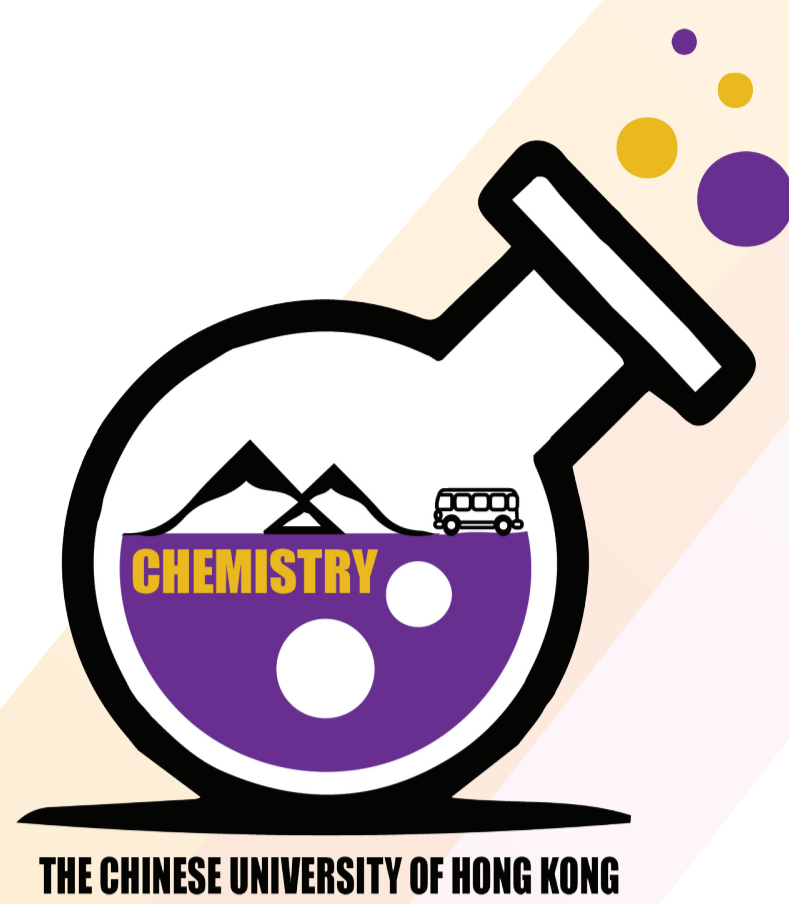




Laboratory Safety e-Learning Platform (LabSafe Platform) and Virtual Reality



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Project Objective

This project aimed to produce an interactive and comprehensive e-learning platform to teach laboratory safety. In the Chemistry Curriculum, students spend as much as 40% of their time in the laboratory. However, there is not a single course on laboratory safety. The platform will be used by the Year 2 Chemistry undergraduates. The implementation of which can be extended to other teaching departments which require experiment classes.

Deliverables

The teaching materials cover the following topics:

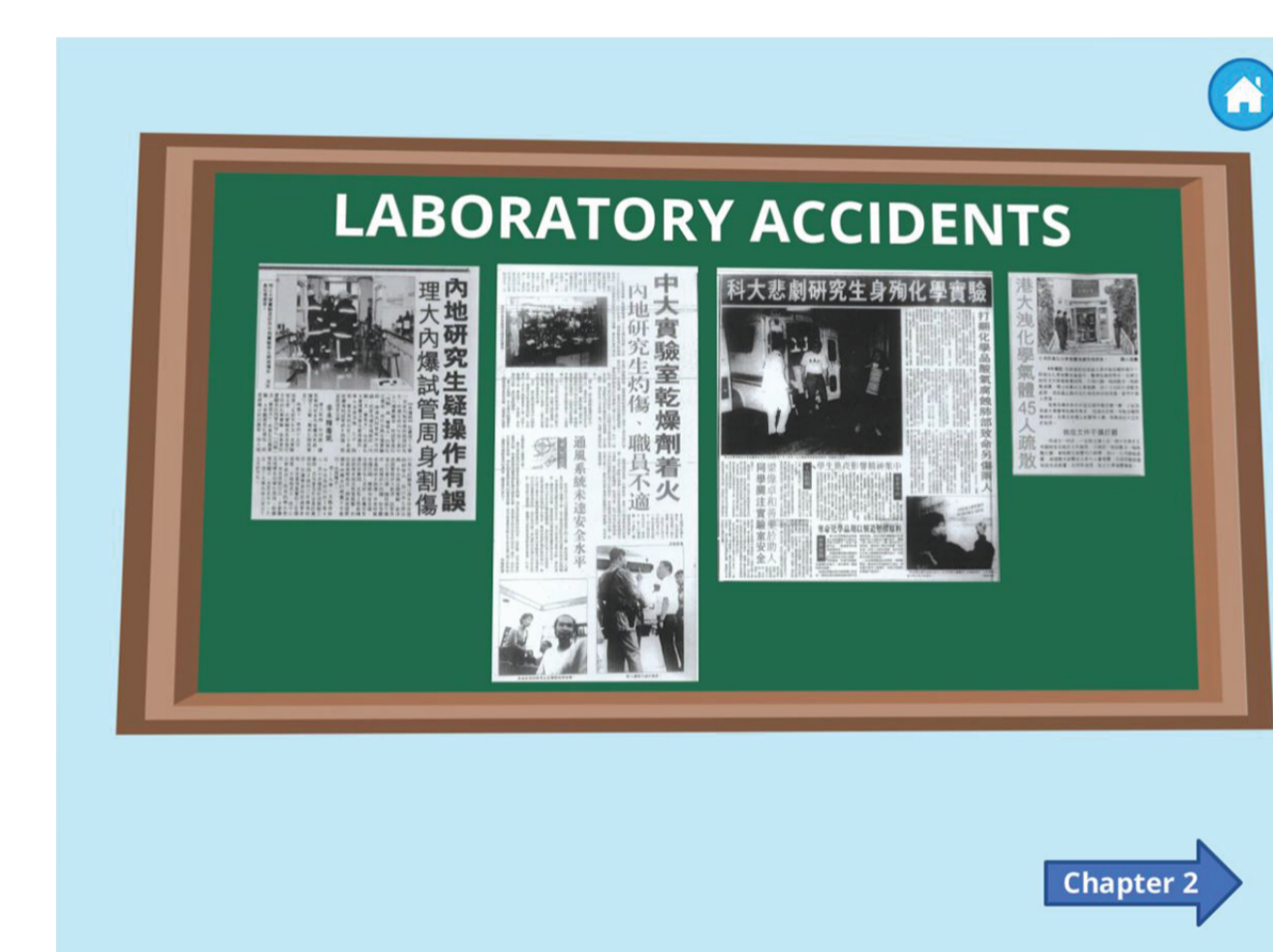
1. Virtual Laboratory Tour
2. Chemical Accidents
3. Personal Protective Equipment
4. Material Safety Datasheet
5. Chemical Labels
6. Fume Hood
7. Handling and Storage of Chemicals
8. Safety Measures and Emergency Handling

Acknowledgment

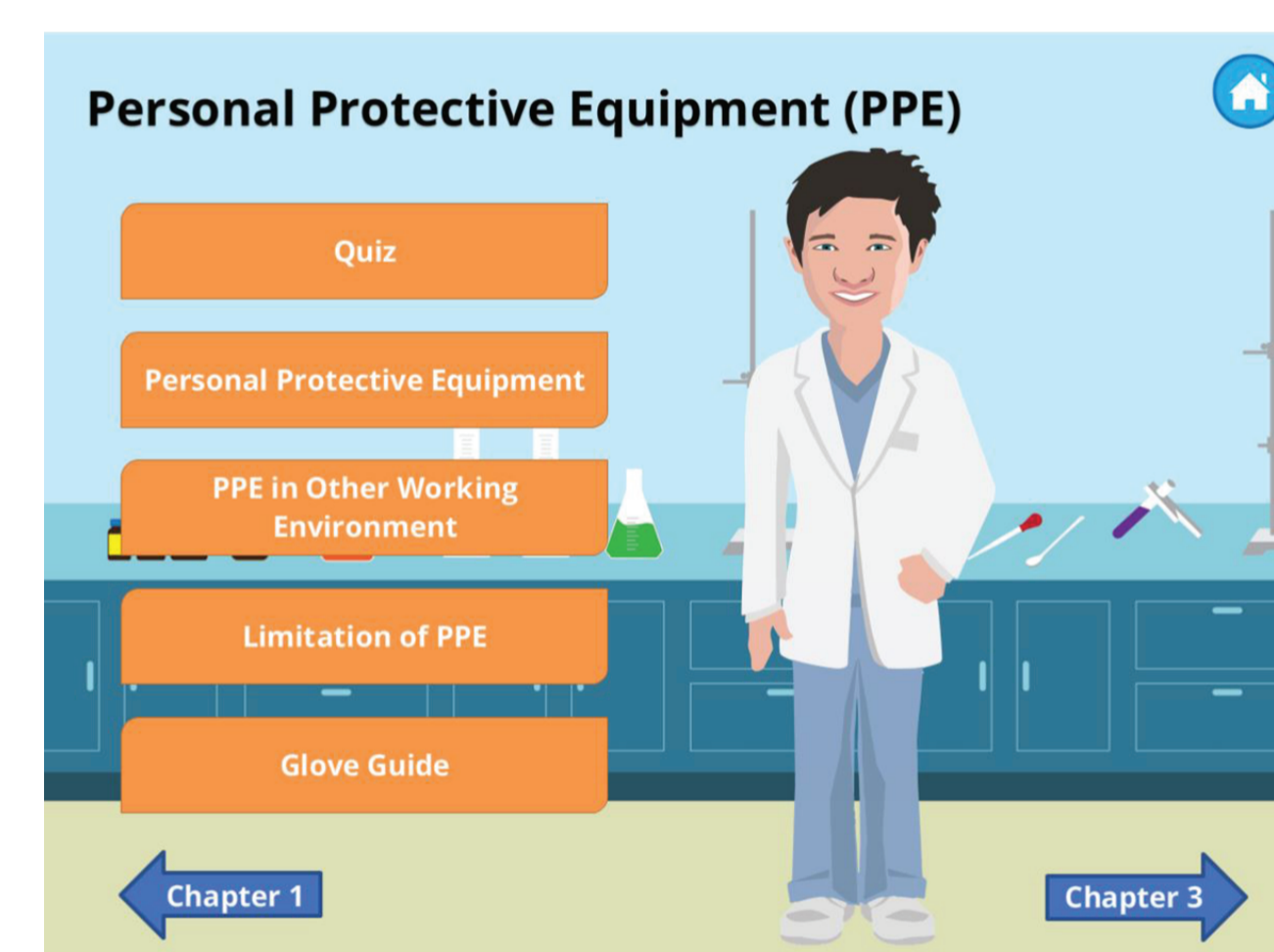
We are grateful to the financial support from the Teaching and Learning Enhancement Grant #4170493 and Micro-Module Courseware Development Grant #3210866.



Virtual Laboratory Tour



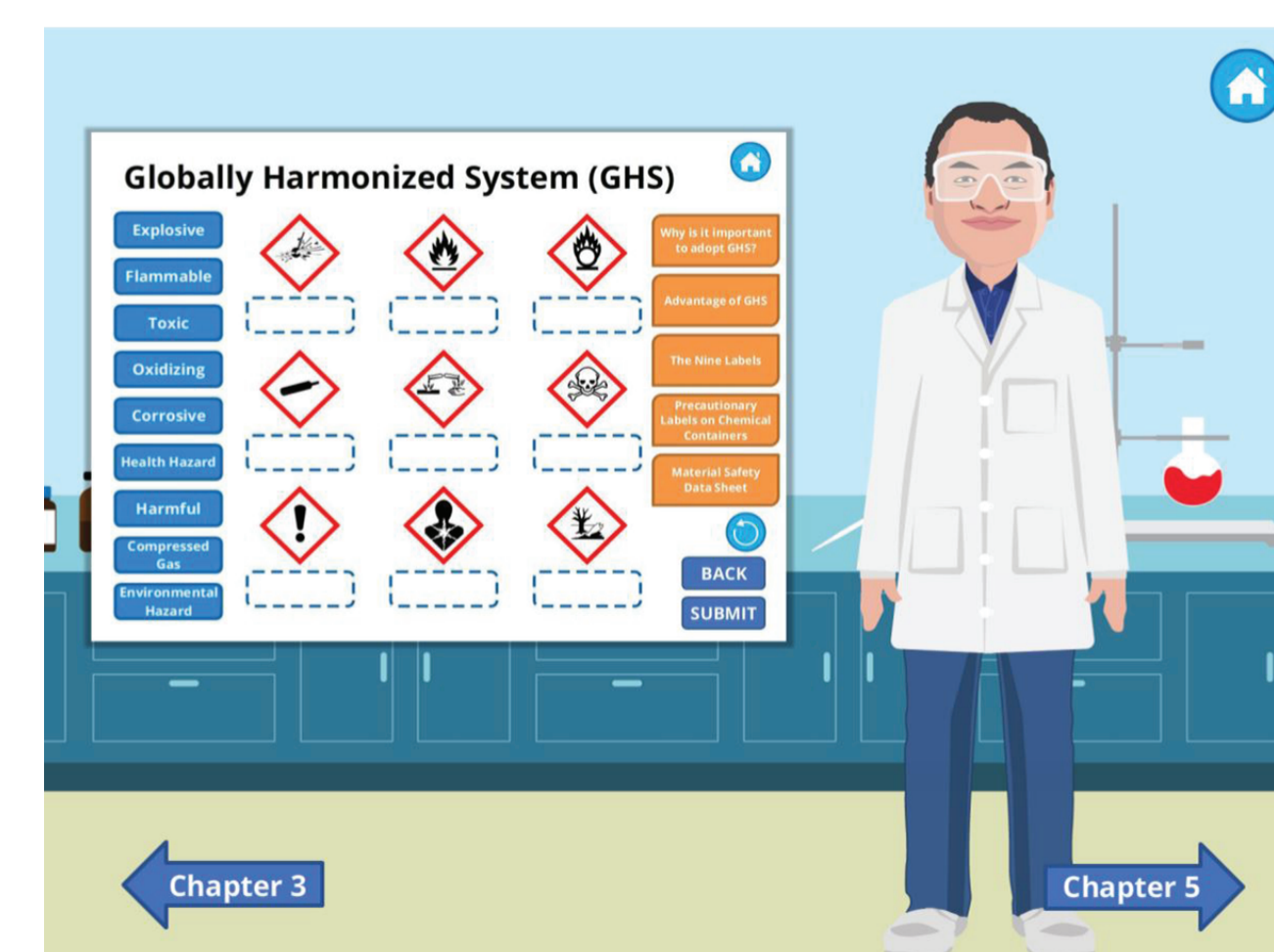
Chemical Accidents



Personal Protective Equipment



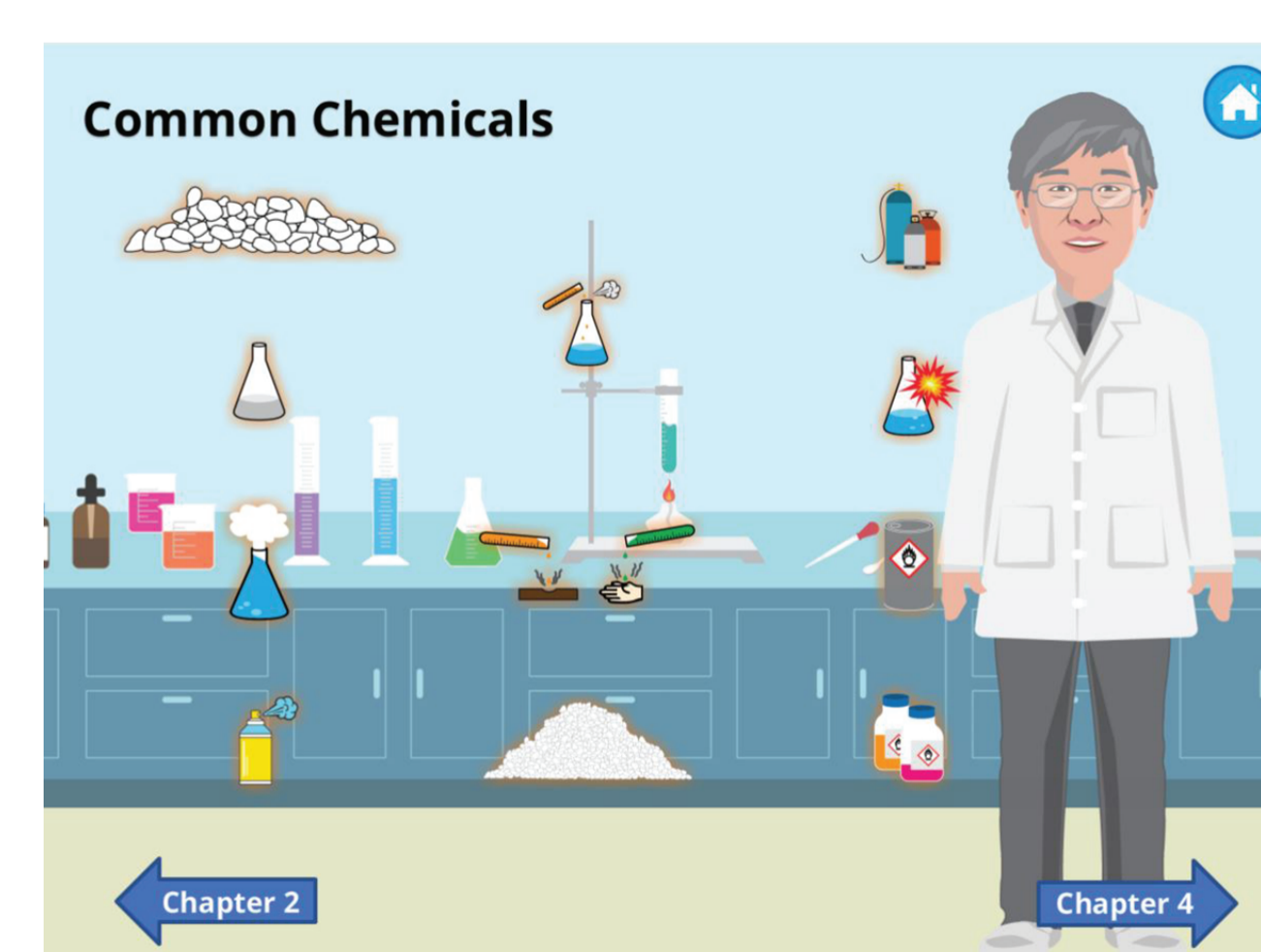
Material Safety Datasheet



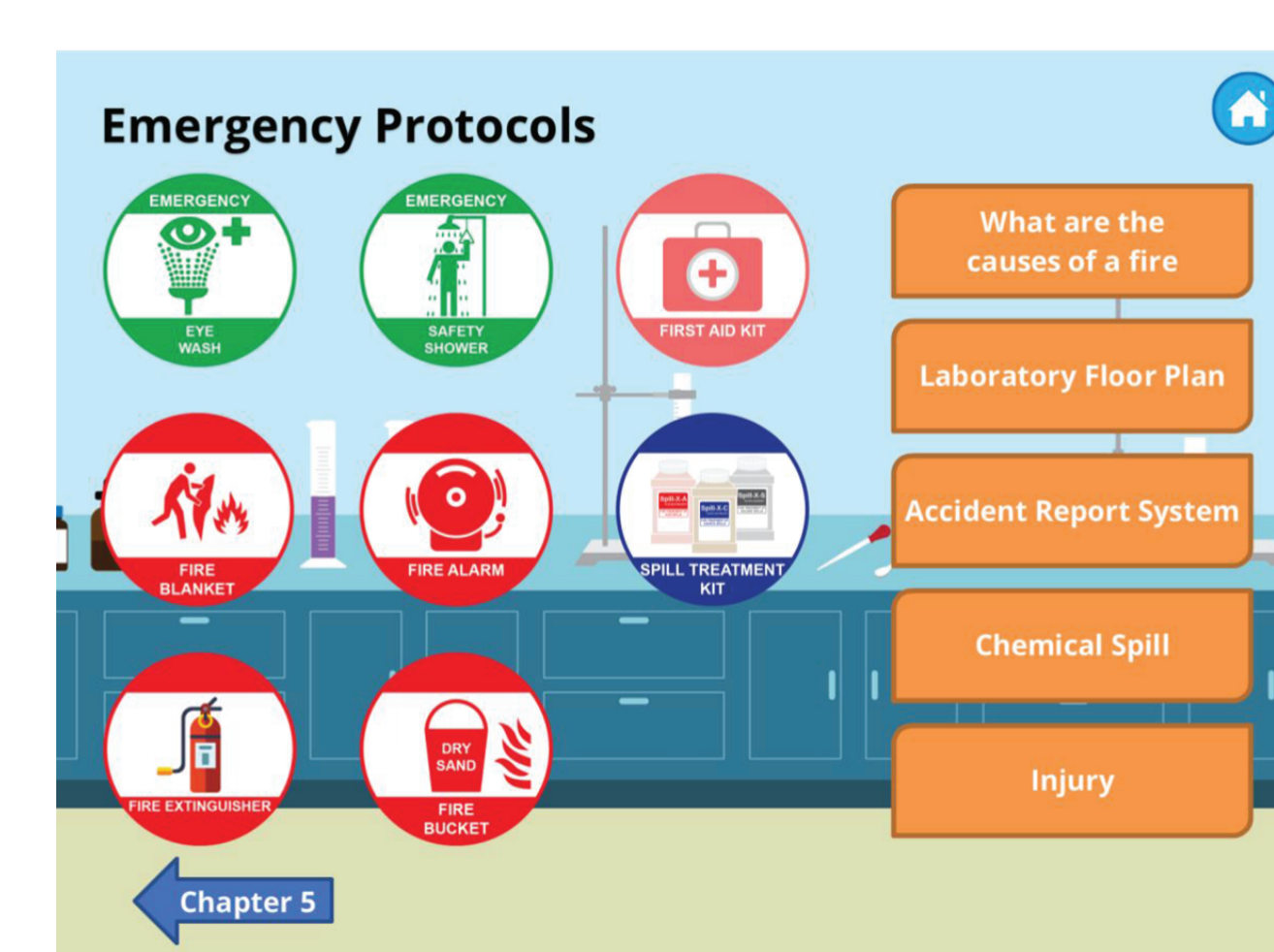
Chemical Labels



Fume Hood



Handling and Storage
of Chemicals



Safety Measures
and
Emergency Handling

