Students always encounter difficulties in studying biochemical pathways. They are especially weak in understanding the lipid metabolism, especially the pathway integration. This interactive courseware aims at arousing students' interest in learning lipid metabolism using the Articulate Storyline eLearning authoring software.

In this project, the "Oi-volcano" was developed as pre-class learning micromodules for students to go through lipid metabolism before class. These micromodules are presented as interactive animations and mini-games. Besides, a Revision mode was designed as post-class revision micromodules. Students are expected to go through these micromodules during their revision after class. Students can revise what they have learnt in an interactive way by clicking on the metro map to magnify the region of interest. Information of each molecule (metabolite) are shown as metro stations. They can study the chemical structures and functions of metabolites one by one, and to understand how those molecules link multiple pathways together.

This interactive self-learning tool is packaged as a courseware using the Articulate Storyline eLearning authoring software.