

Learning Outcomes:

Nature of Science	Students should be able to organise and communicate their research and investigative findings in a variety of ways fit for purpose and audience, using relevant scientific terminology and representations
Biological World	Students should be able to evaluate how human health is affected by: inherited factors and environmental factors including nutrition; lifestyle choices; examine the role of micro-organisms in human health
Chemical World	Students should be able to consider chemical reactions in terms of energy, using the terms exothermic, endothermic and activation energy, and use simple energy profile diagrams to illustrate energy changes

Task

Your school is a HSE Health Promoting School. You have been elected onto the Healthy Week committee. One part of the week will consist of displays such as flipbooks, posters, and other visual models. The other part will be a stage on which poems, songs, and skits can be presented. The Chairperson has asked you to develop a model for one section of Health Week. They have asked that your model show how food is broken down and rearranged through chemical reactions to support growth and release energy.

Design your model according to the scientific method.