

## Summary

### Paper 1 - Option F.4 Future possibilities for sustainable agriculture and improved health

Subject	Year	Start date	Duration
Geography	IB2	Week 2, November	4 weeks

#### Course Part

Paper 1 - Option F.4 Future possibilities for sustainable agriculture and improved health

#### Description

This optional theme looks at the geography of food and health. Economic development is often accompanied by dietary change and an epidemiological transition in which diseases of poverty become less common and diseases of affluence more common; however, this transition does not apply equally to all sectors of society.

Neither food nor health is easy to “measure”, so alternative indicators of food and health are considered. There are many interactions between, and shared influences on, food and health. The role of gender, TNCs and national governments in both food and health provision is considered. This topic considers alternative ways of assessing agricultural sustainability alongside possibilities for improving food supplies and global health over the long term.

Through study of this optional theme, students will develop their understanding of processes, places, power and geographical possibilities. They will additionally gain understanding of more specialized concepts including some, such as **diffusion** and **barriers**, which are applicable to both food production systems and the spread of diseases. **Sustainability** is considered in relation to long-term food production.

## Curriculum

### Syllabus Content

#### Part one: Geographic themes (SL and HL options)

##### Option F: Food and health

##### 4. Future health and food security and sustainability

Future possibilities for sustainable agriculture and improved health

Possible solutions to food insecurity, including waste reduction

One case study of attempts to tackle food insecurity

Advantages and disadvantages of contemporary approaches to food production, including genetically modified organisms (GMOs), vertical farming and in vitro meat

The merits of prevention and treatment in managing disease, including social marginalization issues, government priorities, means of infection and scientific intervention


Managing pandemics, including the epidemiology of the disease, prior local and global awareness, international action and the role of media

One case study of a contemporary pandemic and the lessons learned for pandemic management in the future

IB DP Geography (IB2)

### ATL Skills


 Approaches to Learning


 Thinking

 Communication

### Developing IB Learners

 Learner Profile

 Inquirers

 Balanced