**Sample Assessment Outline**

Food Science and Technology

ATAR Year 12

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# Sample assessment outline

# Food Science and Technology – ATAR Year 12

## Unit 3 and Unit 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment type**  | **Assessment type weighting**  | **Assessment** **task** **weighting** | **Due date** | **Assessment task** |
| Investigation | 25% | 15% | Semester 1Week 9 | **Task 2:** Properties of foodInvestigate the influences on the properties of food, including the effect of preservation methods; factors impacting on food, such as processing techniques, additives, equipment and storage; the Australian New Zealand Food Standards Code for the use of additives in food and for product recall. An in-class validation process will be conducted. |
| 10% | Semester 2Week 2 | **Task 5:** Food promotionInvestigate marketing mix strategies and analyse how these strategies are used to promote food products and influence consumer choice. Consider consumer concerns related to food promotion and the implication of advertising and marketing to children. An in-class validation process will be conducted. |
| Production analysis | 15% | 5% | Semester 1Week 14 | **Task 3:** Production analysisUse the technology process to develop a product proposal to include at least two functional properties of food and consider: recipe adaptation for nutrient content, portion control and cost, consumer profile and product purpose. Produce the product and complete an analysis for compliance with the proposal, sensory properties, effectiveness of the processing techniques used and purpose of the functional properties selected. |
| 10% | Semester 2Week 12 | **Task 7:** New product proposalUse the technology process to produce a new food product considering consumer profile, product purpose and product specifications. Conduct simple surveys and develop a new product proposal that responds to a consumer need, adapts recipes and is packaged for presentation. Complete an analysis of the process and the final food product. |
| Response | 20% | 10% | Semester 1Week 7 | **Task 1:** Test – NutritionAn in-class test on macronutrients, micronutrients, diet-related health, and health and wellbeing; includes multiple-choice questions, short-answer responses and an essay. |
| 10% | Semester 2Week 6 | **Task 6:** Test – Sustainable food productionAn in-class essay on environmental issues that impact on sustainable production of food commodities, the use of biotechnology in food systems, and the process and benefits of genetic modification in food production. |
| Examination | 40% | 20% | Examinationweek | **Task 4:** Semester 1 examination – three hours, using the examination design brief from the ATAR Year 12 syllabus; Section One: 15 multiple-choice questions (15%); Section Two: six short-answer questions (55%); and Section Three: two questions from a choice of three (30%). |
| 20% | Examinationweek | **Task 8:** Semester 2 examination – three hours, using the examination design brief from the ATAR Year 12 syllabus; Section One: 15 multiple-choice questions (15%); Section Two: six questions from a choice of eight (55%); and Section Three: two questions from a choice of three (30%). |
| **Total** | **100%** | **100%** |  |  |