



# Orchid Park Secondary School

Sec 2 Normal (Technical)  
Subject Information for Streaming

January 2022

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## §1 Outline of Streaming Process for Sec 2 2022

1	Online interest survey for students	Mid-May
2	Streaming briefing for students	End of October
3	Online submission of choices	End of October
4	Processing of choices	End of October
5	Release of streaming results	Early November
6	Appeals	Mid-November
7	Release of appeal results	End of November
8	Release of Sec 3 class lists	End of December

## §2 A note on “How-to-Decide”

Students are advised to choose their elective subject in consultation with their parents/guardians.

Choices made are to be based on students' strengths, interests, passions and post-secondary aspirations. The elective subject chosen must equip them with the confidence and belief to progress to advanced levels after OPSS.

The allocation of electives is carried out based on the following:

- ❖ students' choice(s)
- ❖ students' overall academic performance at Secondary 2
- ❖ criteria for certain subjects
- ❖ teachers' inputs and recommendations
- ❖ available resources.

**§3 Tentative Subject Combination offered in 2023 for  
Sec 3 Normal (Technical)**

<b>Subj 1</b>	<b>Subj 2</b>	<b>Subj 3</b>	<b>Subj 4</b>	<b>Subj 5</b>	<b>Subj 6</b>
*English Language	*Mother Tongue Language	*Mathematics	Science*	Computer Applications	Art or Design and Technology or Elements of Business Skills or Nutrition and Food Science or Music

\* Subject is offered at either NT-level or at NA-level

## **§4 Subject Information**

The following information on the various subjects offered at Upper Secondary is extracted from the GCE N(T)-Level syllabi published at: <http://www.seab.gov.sg> and is accurate as of January 2022.

## §4.1 English Language Syllabus T

### 1195 ENGLISH LANGUAGE GCE NORMAL (TECHNICAL) LEVEL SYLLABUS

#### SCHEME OF ASSESSMENT

Paper	Description	Marks	Weighting (%)	Duration
<b>1</b>	<p><b>Writing</b></p> <p><u>Section A: Editing</u> Candidates edit grammatical errors in a given text.</p> <p><u>Section B: Situational Writing</u> Candidates write a text of at least 180 words. A stimulus text, which may include visuals, will be provided.</p> <p><u>Section C: Continuous Writing</u> Candidates write a text of at least 120 words on one of two topics set.</p>	<p><b>70</b></p> <p>(10)</p> <p>(30)</p> <p>(30)</p>	<b>30</b>	<b>1 hour 20 minutes</b>
<b>2</b>	<p><b>Language Use and Comprehension</b></p> <p><u>Section A: Language Use</u></p> <p>Part 1: Modified Cloze I Candidates complete a cloze passage testing vocabulary.</p> <p>Part 2: Modified Cloze II Candidates complete a cloze passage testing grammar.</p> <p><u>Section B: Reading Comprehension</u></p> <p>Part 3: Comprehension I Candidates answer questions on a narrative or a recount.</p> <p>Part 4: Comprehension II Candidates answer questions on non-narrative texts, one of which includes visuals.</p>	<p><b>60</b></p> <p>(10)</p> <p>(10)</p> <p>(10)</p> <p>(30)</p>	<b>40</b>	<b>1 hour 20 minutes</b>
<b>3</b>	<p><b>Listening</b> Candidates complete a variety of listening tasks.</p>	<b>20</b>	<b>10</b>	<b>About 45 minutes</b>
<b>4</b>	<p><b>Oral Communication</b> The two parts in this paper are not thematically linked.</p> <p><u>Part 1: Reading Aloud</u> Candidates read aloud a short text, presented on a computer screen.</p> <p><u>Part 2: Spoken Interaction</u> Candidates engage in a discussion with the Examiners on a topic based on a visual stimulus, in the form of a video clip.</p>	<p><b>40</b></p> <p>(15)</p> <p>(25)</p>	<b>20</b>	<b>About 20 minutes (including 10 minutes of preparation time)</b>
<b>Total</b>		<b>190</b>	<b>100</b>	

## §4.2 Mother Tongue

### §4.2.1 基础华文

Please note that this Scheme of Assessment is subject to changes. Students will be notified as soon as school receives the updated scheme.

#### 1. 试卷一：语文应用与阅读理解（30分）

序数	考查项目	方式	范围	题数	分数比重	备注
1	语文应用	多项选择	2 篇简短对话或短文	5	10/10%	
2	阅读理解一	多项选择	2 篇短文	5	10/10%	
3	阅读理解二	多项选择 自由作答	一个实用性语料 如 宣传海报、广告、通告等	2	4/4%	
				2	6/6%	
共				14	30/30%	

#### 2. 试卷二：口试（50分）

序数	考查项目	方式	范围	题数	分数比重	备注
1	朗读短文	朗读	日常生活篇章和新闻等	1	20/20%	电子版
2	会话	会话	日常话题	1	30/30%	录像短片
共				2	50/50%	

#### 3. 试卷三：听力理解（20分）

考查项目	方式	范围	题数	分数比重	备注
听力理解	听录音，然后回答多项选择式的题目	考查的内容包括日常会话、广告、故事、新闻报道等	10	20/20%	7 个语料，其中 4 个各设一道问题
共			10	20/20%	

## §4.2.2 Bahasa Melayu Asas

Please note that this Scheme of Assessment is subject to changes. Students will be notified as soon as school receives the updated scheme.

Kertas (Masa)	Komponen	Jenis Item	Jumlah Soalan	Markah (Timbangan)	Catatan
1 (50 min)	<b>Penggunaan Bahasa, Membaca dan Menulis (35%)</b>				
	<u>Bahagian A</u> Teks Bacaan 1	MCQ	5	10 (10%)	Petikan teks Ekspositori/Naratif
	<u>Bahagian B</u> Teks Bacaan 2 Teks Bacaan 3	MCQ	5	10 (10%)	Petikan teks (2 teks pendek)
	<u>Bahagian C</u> Teks Bacaan 4	MCQ  Open Ended  Open Ended	2  1  1	4 (4%)  1 (1%)  10 (10%)	Petikan teks Naratif
2 (Lebih kurang 30 min)	<b>Membaca dan Bertutur (65%)</b>				
	Bacaan Lantang		1	20 (20%)	Teks Bacaan
	Interaksi Lisan	Open Ended	1	30 (30%)	Video Rangsangan (1 min)
3 (Lebih kurang 30 min)	Kefahaman Mendengar	MCQ/FIB	10	10 (15%)	Audio
			<b>Jumlah Penuh</b>	<b>95 (100%)</b>	



## §4.3 Mathematics Syllabus T

### Scheme of Assessment

Paper	Duration	Description	Marks	Weighting
Paper 1	1 hour 30 minutes	<p>There will be 11–13 short questions carrying 2–4 marks, largely free from context, testing more on fundamental concepts and skills, followed by 2 longer questions carrying 6–8 marks, developed around a context.</p> <p>Candidates are required to answer all questions which will cover topics from the following strands</p> <ul style="list-style-type: none"><li>• Number and Algebra</li><li>• Geometry and Measurement</li><li>• Real-World Contexts related to Number and Algebra and Geometry and Measurement</li></ul>	50	50%
Paper 2	1 hour 30 minutes	<p>There will be 11–13 short questions carrying 2–4 marks, largely free from context, testing more on fundamental concepts and skills, followed by 2 longer questions carrying 6–8 marks, developed around a context.</p> <p>Candidates are required to answer all questions which will cover topics from the following strands</p> <ul style="list-style-type: none"><li>• Number and Algebra</li><li>• Statistics and Probability</li><li>• Real-World Contexts related to Number and Algebra and Statistics and Probability</li></ul>	50	50%

## §4.4 Science Syllabus T

These are the details for 2023 Normal Technical Science 'N' Level examination. The new Upper Secondary Normal Technical Science syllabus and format for 2024 Normal Technical Science 'N' Level examination is not released yet at the time of printing.

### Scheme of Assessment

Paper	Type of paper	Duration	Marks	Weighting
1	Multiple choice <sup>1</sup>	1 h	40	40%
2	Short-answer or structured	1 h 15 min	60	60%

Paper 1 (1 h, 40 marks)	Paper 1 will carry 40 marks and consist of 40 compulsory multiple choice items.
Paper 2 (1 h 15 min, 60 marks)	Paper 2 will carry 60 marks and consist of a variable number of compulsory short-answer or structured questions. One of the questions is a data-response question, requiring candidates to interpret, evaluate or solve problems using data and/or observations. This question will carry 8–12 marks.

### Content Structure

Module	Topics
I. Gadgets Work Wonders	1.1 Energy and its Uses 1.2 Energy transfer through Waves 1.3 Effects of Forces 1.4 Electricity 1.5 Sources of Electricity
II. Food Matters	2.1 Sources of Food 2.2 Food Chemistry 2.3 Food Health and Safety
III. Wonders of My Body	3.1 Digestion 3.2 Breathing 3.3 Fitness and Cardiac Health 3.4 Staying Healthy

## **§4.5 Computer Applications**

### **Scheme of Assessment**

#### **Paper 1 (Written) (1 hour)**

This paper will assess knowledge, understanding and application of concepts and skills in all the six modules:

- Computer Fundamentals (CPF)
- Media Elements (MEL)
- Document Processing (DOP)
- Spreadsheets (SST)
- Interactive Multimedia Communication (IMC)
- Animation and Game Making (AGM)

The paper contains two sections. Section A (20 marks) contains 20 multiple-choice questions with 4 choices per question. Section B (30 marks) contains a variable number of short-structured questions of variable mark values. This paper carries 30% of the subject grade.

#### **Paper 2 (Lab-based) (1 hour 30 minutes)**

This paper will assess skills in carrying out related tasks covering three modules:

- Media Elements (MEL)
- Document Processing (DOP)
- Interactive Multimedia Communication (IMC)

The skills are assessed through the use of a word processor to edit and format a given document and mail merge it with a given source data, computer graphics software to create a drawing; and presentation software to create a multimedia slide presentation with given media elements. The allotted time includes time for submitting the required work. This paper carries 35% of the subject grade.

#### **Paper 3 (Lab-based) (1 hour 30 minutes)**

This paper consists of a series of tasks to assess candidates' knowledge, understanding and application of concepts and skills through two problem scenarios to be presented in the question paper. Tasks are set to cover the modules on Spreadsheet (SST) and Animation and Game Making (AGM), and candidates are expected to use the word processor to create a flowchart. The allotted time includes time for submitting the required work. This paper carries 35% of the subject grade.

- Media Elements (MEL)
- Spreadsheets (SST)
- Animation and Game Making (AGM)

## §4.6 Elective Subjects

### §4.6.1 Art Syllabus T

#### Assessment Objectives

##### (A) PAPER 1: ART TASK

1. Investigation and Development of a Solution
2. Aesthetic/Design Qualities
3. Visual Presentation
4. Personal Response

##### (B) PAPER 2: PORTFOLIO

1. Gather Information to Communicate Ideas/Concepts
2. Develop Information to Communicate Ideas/Concepts
3. Aesthetic/Design Qualities
4. Control of Materials and Technical Processes
5. Personal Response

	Assessment	Weighting
<b>Paper 1 (Art Task)</b>	<p>3 hours</p> <p>One task accompanied with a visual stimulus will be offered <b>five</b> weeks before the commencement of the N(T)-Level examination. Within the task, <b>three</b> product outcomes will be offered. Candidates must select <b>one product</b> to respond in relation to the task and visual stimulus given.</p> <p>Candidates must keep their investigation and development between <b>three to five</b> A3 sheets of paper to show their ideas/ concepts. The final solution is executed on paper of A3 size during the examination.</p> <p>Each candidate will submit the A3 size sheets for the ideas/concepts development and the final solution at the end of the examination.</p>	40%
<b>Paper 2 (Portfolio)</b>	<p>18 weeks</p> <p>This paper consists of three parts.</p> <p><b>PART A – Digital Journal</b> Each work must be accompanied with a <b>digital journal</b> of not more than <b>five</b> screens for submission. Sketches, paintings, images and/or short audio-visual recordings must be included.</p> <p><b>PART B – Art and Design Work</b> Each candidate is to submit <b>two</b> works. One <b>Fine Art</b> submission and one <b>Design</b> submission. Each work must not exceed 60x40cm or weigh more than 15 kg.</p>	60%

	<p><b>PART C – Personal Response</b> Evaluation of the candidate’s ability to remain engaged and to take responsibility for the completion of the Portfolio examination (Part A and Part B).</p> <p>Submission of the Portfolio will be in the month of May of the examination year.</p>	
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## §4.6.2 Design & Technology Syllabus T

### Scheme of Assessment

#### A Knowledge with understanding

- Demonstrate ability to apply knowledge in design and technology through designing and prototyping.
- Demonstrate ability to carry out the design process.
- Plan project and ensure completion within the given time frame.

#### B Design Thinking Skills

- Recognise and understand everyday needs for design opportunities.
- Generate and develop ideas leading to the proposed design solution.
- Consider relevant knowledge and information (in the areas of user, functionality, technology, aesthetics and environment) for informed decision making.

#### C Design Manipulating Skills

- Sketch to work towards the proposed design solution.
- Build mock-ups to explore and/or test ideas for decision making
- Work with appropriate technology for prototyping towards the proposed design solution.

Paper	Type of Paper	Format of Paper	Weighting
1	<b>Paper 1</b> Written Paper  Duration: 1 hour  (50 marks)	<b>Section A</b> (18 marks) Three short questions set mainly on Design content section  <b>Section B</b> (32 marks) Two design application questions relating to mechanisms and electronics from the Technology content section; one question from each area.	30%
2	<b>Paper 2</b> Design Project  Duration: 20 weeks  (70 marks)	Individual coursework based examination. Candidates are required to work on a design and prototyping project with the following expectations: <ul style="list-style-type: none"><li>● Use of time-stages plan such as a Gantt chart to plan and monitor the progress of the project.</li><li>● Use of information and images, sketches, calculations, etc. to arrive at a design brief and design specifications, and to develop an idea into a working prototype leading to a proposed design solution.</li></ul>	70%

### **§4.6.3 Elements of Business Skills**

The syllabus enables students to develop:

1. basic understanding of business activities in the travel and tourism, hospitality and retail industries
2. basic marketing concepts and customer relations skills
3. basic employability skills for working in the travel and tourism, hospitality and retail industries
4. analytical and evaluative skills and the ability to make judgments; and
5. self and relationship management, social awareness, and responsible decision-making.

### **Scheme of Assessment**

There are two compulsory papers.

#### Paper 1: Written Paper (60%)

Details	Marks	Duration
There will be 4 to 5 short-response and structured questions (i) with helping words; (ii) requiring short answers, not necessarily in complete sentences.  Activity type and pictorial questions may be included.	100	1 hour 30 minutes

#### Paper 2: Coursework – School-based Assessment (40%)

Details	Marks	Duration
The coursework requires candidates to conduct research on a business in one of the three service industries, namely travel and tourism, hospitality and retail industries, in the Singapore context and make recommendations on how the business can improve its marketing mix or customer service. Candidates in a class are required to choose different businesses on which to base their coursework.  A total of 20 hours must be assigned during curriculum time to facilitate the completion of the coursework. The 20 hours include in-class research and individual teacher review sessions.	80	20 hours

#### **4.6.4 Nutrition and Food Science**

The syllabus is designed to provide students with the skills and knowledge to:

1. lead a healthier lifestyle proactively through proper diet and nutrition
2. advocate sustainable food consumption by planning and making appropriate food choices; and
3. apply principles of culinary science creatively in food preparation and cooking.

#### **Scheme of Assessment**

There are two compulsory papers.

##### Paper 1: Written Paper (40%)

Details	Marks	Duration
The written paper will have 3 sections to assess the students' subject content knowledge (25%) and process skills (15%). The paper consists of the following sections: i. Section A: Multiple choice type questions (16 marks) ii. Section B: Short-answer type questions (32 marks) iii. Section C: Structured type questions (32 marks)	80	1 hour 30 minutes

##### Paper 2: Coursework – School-based Assessment (60%)

Details	Marks	Duration
The coursework is an individual assignment given to students at the beginning of the year and should be completed by July of the year. It must be typed and submitted into a folio that should not exceed 16 pages. The coursework will have a practical focus where students are required to apply their knowledge and understanding in relation to the subject content. The coursework gives students the opportunity to apply their skills to create interesting food products.  A total of 35 hours will be assigned during curriculum time to facilitate the completion of the coursework which includes the following sections: i. Background Study (6 marks) ii. Decision Making (6 marks) iii. Exploration (6 marks) iv. Planning (6 marks) v. Execution – Practical Exam (30 marks) vi. Evaluation (6 marks)	60	35 hours



## **4.6.5 Music**

### **This is a two-year syllabus designed to provide students:**

1. A broad-based music education
2. A foundation to enable students to further interests in music and sound related areas
3. Authentic hands-on learning experiences and exposure to a range of music genres and context, with music technology being an integral part of learning
4. An awareness of music in local and global cultures
5. A space to foster creative and innovation, and develop listening & problem solving skills

### **Areas of Study (AoS) includes:**

- Popular Music from 2000 onwards (Pop, Rock, R&B, Electronic Dance Remix etc)
- Western Classical Music
- Music for Film and Television
- Music from Local Cultures (Singapore)

### **Scheme of Assessment**

There are two compulsory papers.

#### Paper 1: Listening Examination (40%)

Details	Marks	Duration
The 60min written paper comprises of: 1. 20 MCQs on 8-10 short listening extracts (20%) 2. 12-16 SSQs on 6-8 short listening extracts (20%)	40	1 hour

#### Paper 2: Coursework – School-based Assessment (60%)

Details	Marks	Duration
Paper 2 is a 30 hour coursework carried over 5 months from March to July. It comprises of: 1. Task 1 (40%): Students required to produce a song or instrumental music arrangement AND perform a part in the arrangement live 2. Task 2 (20%): Students are required to create/produce an original 30psec instrumental music cue for a given film or TV context based on AoS 3 (Music for Film and Television) and complete a short supporting note	60	30 hours

END