

**DIPLOMA IN EDUCATION PROGRAMME  
(TEACHING OF ART/MUSIC/HOME ECONOMICS)**

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## CURRICULUM STRUCTURE FOR DIP ED (TEACHING OF ART/MUSIC/HOME ECONOMICS) PROGRAMME

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The curriculum structure for Dip Ed (Teaching of Art) Programme is shown in Table 5.1 below:

**Table 5.1: Curriculum Structure of Dip Ed (Teaching of Art) Programme**

### **Year 1**

Category/ Subject	Module Code	Title	No. of AUs
<b>EDUCATION STUDIES</b>			
	EED100	Introduction to Instructional Technology	2
	EED101	Introduction to Learning and Teaching	2
	EED102	Providing for Individual Differences in Learning and Teaching	2
<b>CURRICULUM STUDIES</b>			
Art	ECA120	Processes of Visual Representation and Expression I	3
	ECA121	Visual Arts and Multimedia I	2
	ECA122	Processes of Visual Representation and Expression II	3
<b>CURRICULUM STUDIES (Select either English Language or Mathematics)</b>			
English Language	ECE121	English Language Teaching at Lower Secondary Level I	3
	ECE122	English Language Teaching at Lower Secondary Level II	2
Mathematics	ECM121	Teaching and Learning of Lower Secondary Mathematics I	2
	ECM122	Teaching and Learning of Lower Secondary Mathematics II	2
<b>CURRICULUM CONTENT</b>			
Art	ETA120	The Development of Adolescent Art and its Educational Significance	2
	ETA121	The History of Art Teaching	2

cont'd

Category/ Subject	Module Code	Title	No. of AUs
<b>CURRICULUM CONTENT (Select 1 subject corresponding to the Curriculum Studies subject)</b>			
English Language	ETE121	Introduction to the English Language I	2
Mathematics	ETM121	Topics related to Lower Secondary Mathematics I	2
<b>ACADEMIC SUBJECTS</b>			
Art	EAA120	Introduction to Visual Literacy I	3
	EAA121	Introduction to Visual Literacy II	3
<b>PRACTICUM</b>			
	EPR120	Practicum I	5
<b>LANGUAGE ENRICHMENT AND ACADEMIC DISCOURSE SKILLS</b>			
Use of English in Teaching	ELE121	Use of English in Teaching (Written Communication)	2

## Year 2

Category/ Subject	Module Code	Title	No. of AUs
<b>EDUCATION STUDIES</b>			
	EED200	Social Context of Teaching and Learning	2
<b>EDUCATION STUDIES (Select 1)</b>			
	EED230	Assessment in Teaching and Learning	2
	EED231	Group Guidance in the Classroom	2
	EED232	Pupil Counselling in Primary Schools	2
	EED233	Developing Creativity in Children	2
	EED234	Strategies for Effective Teaching and Learning	2
	EED235	IT-based Tools for Constructivist Activities	2
	EED236	Creating Thinking Classrooms	2
	EED237	Teaching Discipline	2
	EED238	Teaching and Learning with the Internet	2
	EED239	Exploring the world of I-videos	2
	EED240	Teaching Mixed Ability Classes	2
	EED241	Catering to Pupils with Special Needs in the Primary School	2
	EED242	Learning and Individual Differences in the Classroom	2
	EED243	Strategies for Enhancing Pupils' Thinking and Learning	2
	EED244	Effective Curriculum Practice in Primary Schools	2
	EED245	Moral Issues in Cross-curricular Perspectives	2
	EED246	Instructional Message Design	2
	EED247	Thinking Skills to Enhance Learning	2
	EED248	Building School-Home Relationships for Enhancing Learning	2
	EED249	Instructional Multimedia Design	2
	EED250	Empowering Learners to Learn	2
	EED251	Motivational Web Design for Schools	2
	EED252	Project Work (PW): Understanding Process and Product	2
	EED253	Surviving and Thriving as a Beginning Teacher	2
<b>CURRICULUM STUDIES</b>			
Art	ECA220	Processes of Visual Representation and Expression III	3
	ECA221	Visual Arts and Multimedia II	2
	ECA222	Contextualising Artworks	2
<b>CURRICULUM STUDIES (Further studies in subject taken in Year 1)</b>			
English Language	ECE221	English Language Teaching at Lower Secondary Level III	3
	ECE222	English Language Teaching at Lower Secondary Level IV	2

cont'd

<b>Category/ Subject</b>	<b>Module Code</b>	<b>Title</b>	<b>No. of AUs</b>
Mathematics	ECM221	Teaching and Learning of Lower Secondary Mathematics III	2
	ECM222	Teaching and Learning of Lower Secondary Mathematics IV	2
<b>CURRICULUM CONTENT</b>			
Art	ETA220	Developing Thinking Skills and Creativity in Visual Arts	2
<b>CURRICULUM CONTENT</b>			
English Language	ETE221	Introduction to the English Language II	2
Mathematics	ETM221	Topics related to Lower Secondary Mathematics II	2
<b>ACADEMIC SUBJECTS</b>			
Art	EAA220	Issues of Contemporary Southeast Asian Art	3
<b>PRACTICUM</b>			
	EPR220	Practicum II	9
<b>LANGUAGE ENRICHMENT AND ACADEMIC DISCOURSE SKILLS</b>			
Use of English in Teaching	ELE222	Spoken English in Teaching	2

**Note:** In addition to the core modules and the required number of prescribed electives, trainee teachers must offer a minimum of 2 academic units of general electives during the course of study. Trainee teachers are strongly encouraged to take these general electives in a semester which is not too heavy in terms of total number of AUs.

The curriculum structure for Dip Ed (Teaching of Music) Programme is shown in Table 5.2 below:

**Table 5.2: Curriculum Structure of Dip Ed (Teaching of Music) Programme**

**Year 1**

Category/ Subject	Module Code	Title	No. of AUs
<b>EDUCATION STUDIES</b>			
	EED100	Introduction to Instructional Technology	2
	EED101	Introduction to Learning and Teaching	2
	EED102	Providing for Individual Differences in Learning and Teaching	2
<b>CURRICULUM STUDIES</b>			
Music	ECI120	Keyboard Harmony	1
	ECI121	Secondary School Music	2
	ECI122	Choir I	2
	ECI123	Band I	2
	ECI124	Conducting	1
<b>CURRICULUM STUDIES (Select either English Language or Mathematics)</b>			
English Language	ECE121	English Language Teaching at Lower Secondary Level I	3
	ECE122	English Language Teaching at Lower Secondary Level II	2
Mathematics	ECM121	Teaching and Learning of Lower Secondary Mathematics I	2
	ECM122	Teaching and Learning of Lower Secondary Mathematics II	2
<b>CURRICULUM CONTENT</b>			
Music	ETI120	General Musicianship I	2
	ETI121	General Musicianship II	2
<b>CURRICULUM CONTENT (Select 1 subject corresponding to the Curriculum Studies subject)</b>			
English Language	ETE121	Introduction to the English Language I	2
Mathematics	ETM121	Topics related to Lower Secondary Mathematics I	2

cont'd

Category/ Subject	Module Code	Title	No. of AUs
<b>ACADEMIC SUBJECTS</b>			
Music	EAI120	Analysis in Music	3
	EAI121	Studies in Eastern Musics	3
<b>PRACTICUM</b>			
	EPR120	Practicum I	5
<b>LANGUAGE ENRICHMENT AND ACADEMIC DISCOURSE SKILLS</b>			
Use of English in Teaching	ELE121	Use of English in Teaching (Written Communication)	2

## Year 2

Category/ Subject	Module Code	Title	No. of AUs
<b>EDUCATION STUDIES</b>			
	EED200	Social Context of Teaching and Learning	2
<b>EDUCATION STUDIES (Select 1)</b>			
	EED230	Assessment in Teaching and Learning	2
	EED231	Group Guidance in the Classroom	2
	EED232	Pupil Counselling in Primary Schools	2
	EED233	Developing Creativity in Children	2
	EED234	Strategies for Effective Teaching and Learning	2
	EED235	IT-based Tools for Constructivist Activities	2
	EED236	Creating Thinking Classrooms	2
	EED237	Teaching Discipline	2
	EED238	Teaching and Learning with the Internet	2
	EED239	Exploring the world of I-videos	2
	EED240	Teaching Mixed Ability Classes	2
	EED241	Catering to Pupils with Special Needs in the Primary School	2
	EED242	Learning and Individual Differences in the Classroom	2
	EED243	Strategies for Enhancing Pupils' Thinking and Learning	2
	EED244	Effective Curriculum Practice in Primary Schools	2
	EED245	Moral Issues in Cross-curricular Perspectives	2
	EED246	Instructional Message Design	2
	EED247	Thinking Skills to Enhance Learning	2
	EED248	Building School-Home Relationships for Enhancing Learning	2
	EED249	Instructional Multimedia Design	2
	EED250	Empowering Learners to Learn	2
	EED251	Motivational Web Design for Schools	2
	EED252	Project Work (PW): Understanding Process and Product	2
	EED253	Surviving and Thriving as a Beginning Teacher	2
<b>CURRICULUM STUDIES</b>			
Music	ECI220	Choir II	2
	ECI221	Aesthetics	2
	ECI222	Foundations of Music Education	2
	ECI223	Band II	2
<b>CURRICULUM STUDIES (Further studies in subject taken in Year 1)</b>			
English Language	ECE221	English Language Teaching at Lower Secondary Level III	3
	ECE222	English Language Teaching at Lower Secondary Level IV	2

cont'd

Category/ Subject	Module Code	Title	No. of AUs
Mathematics	ECM221	Teaching and Learning of Lower Secondary Mathematics III	2
	ECM222	Teaching and Learning of Lower Secondary Mathematics IV	2
<b>CURRICULUM CONTENT</b>			
Music	ETI220	General Musicianship III	2
<b>CURRICULUM CONTENT ( Further studies in subject taken in Year 1)</b>			
English Language	ETE221	Introduction to the English Language II	2
Mathematics	ETM221	Topics related to Lower Secondary Mathematics II	2
<b>ACADEMIC SUBJECTS</b>			
Music	EAI220	Composing	3
<b>PRACTICUM</b>			
	EPR220	Practicum II	9
<b>LANGUAGE ENRICHMENT AND ACADEMIC DISCOURSE SKILLS</b>			
Use of English in Teaching	ELE222	Spoken English in Teaching	2

**Note:** In addition to the core modules and the required number of prescribed electives, trainee teachers must offer a minimum of 2 academic units of general electives during the course of study. Trainee teachers are strongly encouraged to take these general electives in a semester which is not too heavy in terms of total number of AUs.

The curriculum structure for Dip Ed (Teaching of Home Economics) Programme is shown in Table 5.3 below:

**Table 5.3: Curriculum Structure of Dip Ed (Teaching of Home Economics) Programme**

**Year 1**

Category/ Subject	Module Code	Title	No. of AUs
<b>EDUCATION STUDIES</b>			
	EED100	Introduction to Instructional Technology	2
	EED101	Introduction to Learning and Teaching	2
	EED102	Providing for Individual Differences in Learning and Teaching	2
<b>CURRICULUM STUDIES</b>			
Home Economics	ECX120	Trends in Home Economics Education	2
	ECX121	Introduction to Home Economics Teaching	2
	ECX122	Programme Planning in Home Economics	2
<b>CURRICULUM STUDIES (Select either English Language or Mathematics)</b>			
English Language	ECE121	English Language Teaching at Lower Secondary Level I	3
	ECE122	English Language Teaching at Lower Secondary Level II	2
Mathematics	ECM121	Teaching and Learning of Lower Secondary Mathematics I	2
	ECM122	Teaching and Learning of Lower Secondary Mathematics II	2
<b>CURRICULUM CONTENT</b>			
Home Economics	ETX120	Food Management	3
	ETX121	Textile Study	3
	ETX122	Creative Textile	2
<b>CURRICULUM CONTENT (Select 1 subject corresponding to the Curriculum Studies subject)</b>			
English Language	ETE121	Introduction to the English Language I	2
Mathematics	ETM121	Topics related to Lower Secondary Mathematics I	2

cont'd

Category/ Subject	Module Code	Title	No. of AUs
<b>ACADEMIC SUBJECTS</b>			
Home Economics	EAX120	Principles of Nutrition	3
<b>PRACTICUM</b>			
	EPR120	Practicum I	5
<b>LANGUAGE ENRICHMENT AND ACADEMIC DISCOURSE SKILLS</b>			
Use of English in Teaching	ELE121	Use of English in Teaching (Written Communication)	2

## Year 2

Category/ Subject	Module Code	Title	No. of AUs
<b>EDUCATION STUDIES</b>			
	EED200	Social Context of Teaching and Learning	2
<b>EDUCATION STUDIES (Select 1)</b>			
	EED230	Assessment in Teaching and Learning	2
	EED231	Group Guidance in the Classroom	2
	EED232	Pupil Counselling in Primary Schools	2
	EED233	Developing Creativity in Children	2
	EED234	Strategies for Effective Teaching and Learning	2
	EED235	IT-based Tools for Constructivist Activities	2
	EED236	Creating Thinking Classrooms	2
	EED237	Teaching Discipline	2
	EED238	Teaching and Learning with the Internet	2
	EED239	Exploring the world of I-videos	2
	EED240	Teaching Mixed Ability Classes	2
	EED241	Catering to Pupils with Special Needs in the Primary School	2
	EED242	Learning and Individual Differences in the Classroom	2
	EED243	Strategies for Enhancing Pupils' Thinking and Learning	2
	EED244	Effective Curriculum Practice in Primary Schools	2
	EED245	Moral Issues in Cross-curricular Perspectives	2
	EED246	Instructional Message Design	2
	EED247	Thinking Skills to Enhance Learning	2
	EED248	Building School-Home Relationships for Enhancing Learning	2
	EED249	Instructional Multimedia Design	2
	EED250	Empowering Learners to Learn	2
	EED251	Motivational Web Design for Schools	2
	EED252	Project Work (PW): Understanding Process and Product	2
	EED253	Surviving and Thriving as a Beginning Teacher	2
<b>CURRICULUM STUDIES</b>			
Home Economics	ECX220	Teaching Food and Nutrition (Upper Secondary)	2
	ECX221	Evaluation in Home Economics	2
<b>CURRICULUM STUDIES (Further studies in subject taken in Year 1)</b>			
English Language	ECE221	English Language Teaching at Lower Secondary Level III	3
	ECE222	English Language Teaching at Lower Secondary Level IV	2
Mathematics	ECM221	Teaching and Learning of Lower Secondary Mathematics III	2

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Category/ Subject	Module Code	Title	No. of AUs
	ECM222	Teaching and Learning of Lower Secondary Mathematics IV	2
<b>CURRICULUM CONTENT</b>			
Home	ETX220	Food Science and Principles	3
Economics	ETX221	Clothing Construction	3
<b>CURRICULUM CONTENT (Select 1 subject corresponding to the Curriculum Studies subject)</b>			
English Language	ETE221	Introduction to the English Language II	2
Mathematics	ETM221	Topics related to Lower Secondary Mathematics II	2
<b>ACADEMIC SUBJECTS (Further studies in subject taken in Year 1)</b>			
Home Economics	EAX220	Applied Nutrition	3
<b>PRACTICUM</b>			
	EPR220	Practicum II	9
<b>LANGUAGE ENRICHMENT AND DISCOURSE SKILLS</b>			
Use of English in Teaching	ELE222	Spoken English in Teaching	2

**Note:** In addition to the core modules and the required number of prescribed electives, trainee teachers must offer a minimum of 2 academic units of general electives during the course of study. Trainee teachers are strongly encouraged to take these general electives in a semester which is not too heavy in terms of total number of AUs.

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## CONTENTS OF CORE MODULES & PRESCRIBED ELECTIVES

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**EDUCATION STUDIES** - Please refer to Pages 33 - 44

### **CURRICULUM STUDIES**

#### **The Teaching of Art (Secondary)**

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	ECA120	Processes of Visual Representation and Expression I	Core	3	-
	ECA121	Visual Arts and Multimedia I	Core	2	-
	ECA122	Processes of Visual Representation and Expression II	Core	3	-
2	ECA220	Processes of Visual Representation and Expression III	Core	3	-
	ECA221	Visual Arts and Multimedia II	Core	2	-
	ECA222	Contextualising Artworks	Core	2	-

#### **ECA120 Processes of Visual Representation and Expression I**

Although the module is not strictly discipline-based, it will put an emphasis on 2-dimensional considerations generally related to the practice of drawing and painting. It will address questions of materials and processes, surface, colour and form, image and meaning. Guided projects leading to the development of personal, multidisciplinary exploration.

## **ECA121 Visual Arts and Multimedia I**

Introduces trainee teachers to digital photography, video and multimedia art. Trainee teachers will examine the historical role of technology in art and the issues related to the aesthetic, expressive and semiotic dimensions of new media.

## **ECA122 Processes of Visual Representation and Expression II**

Although the module is not strictly discipline-based, it will put an emphasis on 3-dimensional considerations generally related to the practice of ceramics. Study of formation processes in ceramics: decoration, glazing and firing techniques. Guided projects leading to the development of personal, multidisciplinary exploration.

## **ECA220 Processes of Visual Representation and Expression III**

Although the module is not strictly discipline-based, it will put an emphasis on 2-dimensional considerations generally related to the practice of printmaking. Study of additive and subtractive printing processes including linocut and woodcarving. Printing in black and colour. Monotypes and multiples. Introduction to transfer processes with silkscreen printing. Guided projects leading to the development of personal, multidisciplinary exploration.

## **ECA221 Visual Arts and Multimedia II**

Based on 'Visual Arts and Multimedia I', trainee teachers are required to develop a personal project involving new media.

## **ECA222 Contextualising Artworks**

This module asks trainee teachers to consider and plan a form of presentation, show, display, or exhibition of artworks.

## The Teaching of English Language at Lower Secondary Level

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	ECE121	English Language Teaching at Lower Secondary Level I	Core	3	-
	ECE122	English Language Teaching at Lower Secondary Level II	Core	2	-
2	ECE221	English Language Teaching at Lower Secondary Level III	Core	3	-
	ECE222	English Language Teaching at Lower Secondary Level IV	Core	2	-

### **ECE121 English Language Teaching at Lower Secondary Level I**

Teaching of listening and speaking within integrated units at lower secondary level. Introduction to the English Language curriculum, unit and lesson planning. Selection and preparation of a variety of appropriate materials and evaluation modes.

### **ECE122 English Language Teaching at Lower Secondary Level II**

Insights into current teaching approaches for grammar at lower secondary level. Ways of devising learning tasks and activities, and producing effective lesson plans that maximize pupils learning and participation.

**ECE221 English Language Teaching at Lower Secondary Level III**

Teaching reading, vocabulary and writing within integrated units at lower secondary level. Preparation of units of work and lesson plans. Selection of appropriate learning tasks, materials and evaluation approaches.

**ECE222 English Language Teaching at Lower Secondary Level IV**

Consolidation of trainee teacher knowledge and skills in response to a varied pupil language learning needs and a range of classroom interaction contexts.

## The Teaching of Home Economics

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	ECX120	Trends in Home Economics Education	Core	2	-
	ECX121	Introduction to Home Economics Teaching	Core	2	-
	ECX122	Programme Planning in Home Economics	Core	2	-
2	ECX220	Teaching Food and Nutrition (Upper Secondary)	Core	2	-
	ECX221	Evaluation in Home Economics	Core	2	-

### **ECX120 Trends in Home Economics Education**

An overview of Home Economics education in Singapore with the discussion of the nature of the home economics, general trends in enrollment, curriculum development, and administration. Current issues and implications of home economics curriculum and teaching are emphasized.

### **ECX121 Introduction to Home Economics Teaching**

Participation in simulated teaching activities with emphasis on the planning and organization of strategies. Innovative use of teaching methods in relation to current trends in education is highlighted.

### **EXC122 Programme Planning in Home Economics**

Development of schemes of work and lesson plans for instruction and management for home economics at the lower secondary level. The responsibilities of home economics teachers are also discussed.

## **ECX220 Teaching Food and Nutrition (Upper Secondary)**

Focus is on development of schemes of work, lesson plans, strategies and resources for use in the teaching of Food and Nutrition at the upper secondary level. The planning and management of coursework for examination requirements are emphasized.

## **ECX221 Evaluation in Home Economics**

Focus is on the principles of evaluation, framework for evaluation, procedures for appraising student progress in the attainment of objectives. Content includes the construction of evaluation instruments related to home economics programmes.

## The Teaching of Mathematics at Lower Secondary Level

Subject requirements:

Pass in Mathematics (Syllabus C) or Further Mathematics at 'A' Level in the GCE 'A' Level Examination or its equivalent; and

Polytechnic Diploma holders who do not meet the requirements as specified above may, at the discretion of the Head of Mathematics and Mathematics Education Academic Group, be allowed to read the subject based on relevant subjects passed at the polytechnic diploma courses.

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	ECM121	Teaching and Learning of Lower Secondary Mathematics I	Core	2	-
	ECM122	Teaching and Learning of Lower Secondary Mathematics II	Core	2	-
2	ECM221	Teaching and Learning of Lower Secondary Mathematics III	Core	2	-
	ECM222	Teaching and Learning of Lower Secondary Mathematics IV	Core	2	-

### ECM121 Teaching and Learning of Lower Secondary Mathematics I

Overview of the aims, framework, teaching approaches of the Lower Secondary Mathematics curriculum. Learning theories in mathematics and concept formation. Preparation of scheme of work and lesson plans. Pedagogical principles of mathematics teaching using various teaching strategies. The teaching of Arithmetic.\*

## **ECM122 Teaching and Learning of Lower Secondary Mathematics II**

Nature of mathematical thinking. Polya's model and various strategies for problem solving. Hands-on experience of explaining specific Mathematics concepts and procedures. The teaching of Algebra and graphs\* - link will be made to the 'model' approach used in Primary schools.

## **ECM221 Teaching and Learning of Lower Secondary Mathematics III**

Assessment in mathematics, test construction and marking. Task analysis and error analysis. Techniques for diagnosing pupils with mathematical difficulties and remedial strategies. The teaching of mensuration and geometry.\*

## **ECM222 Teaching and Learning of Lower Secondary Mathematics IV**

Rationale and types of mathematics projects. Methods and procedures for designing and implementation of mathematics projects. Enrichment and mathematical investigation activities. The teaching of trigonometry and statistics.\*

*\*The teaching of the various mathematics topics will include discussion of the concepts, pupil difficulties, the use of suitable approaches, strategies and media such as the use of teaching aids and information technology.*

## The Teaching of Music (Secondary)

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	ECI120	Keyboard Harmony	Core	1	-
	ECI121	Secondary School Music	Core	2	-
	ECI122	Choir I	Core	2	-
	ECI123	Band I	Core	2	-
	ECI124	Conducting	Core	1	-
2	ECI220	Choir II	Core	2	-
	ECI221	Aesthetics	Core	2	-
	ECI222	Foundations of Music Education	Core	2	-
	ECI223	Band II	Core	2	-

### ECI120 Keyboard Harmony

A theoretical and practical course on functional harmony. The theoretical aspects on the basic harmonic patterns in tonal music. The practical on the application of harmonic patterns at the keyboard. The practical skills of transposition, harmonisation and improvisation.

### ECI121 Secondary School Music

The teaching of music in the secondary school with particular reference to the syllabus as it is in operation in Singapore schools. The central musical activities of listening, composing and performing, and the ways in which these may be integrated into the Music syllabus in Singapore secondary schools.

**ECI122    Choir I**

The development of practical musical skills through participation in choral work.

**ECI123    Band I**

The development of practical musical skills through participation in band.

**ECI124    Conducting**

The fundamentals of choral and/or band conducting through classroom performance. Basic baton techniques together with a study of the interpretation of choral and band music from all periods.

**ECI220    Choir II**

The development of vocal skills (level 2) through participation in choral work.

**ECI221    Aesthetics**

The nature of aesthetics and its place within the music curriculum. Issues within aesthetics, which will inform students' activities as music educators. Teaching for aesthetic experience, ways of knowing and ways of feeling.

## **ECI222 Foundations of Music Education**

The fundamental issues which underpin contemporary music education and classroom practice. Philosophical, psychological and sociological issues will be examined, together with comparative education.

## **ECI223 Band II**

Development of instrumental music skills (level 2) through participation in band.

## CURRICULUM CONTENT

### Art

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	ETA120	The Development of Adolescent Art and its Educational Significance	Core	2	-
	ETA121	The History of Art Teaching	Core	2	-
2	ETA220	Developing Thinking Skills and Creativity in Visual Arts	Core	2	-

#### **ETA120 The Development of Adolescent Art and its Educational Significance**

Considers the development of adolescents' use of visual media. Trainee teachers will be helped to understand that when young children and adolescents use and organise visual media, they form important understandings about representation, symbols and signs which will prove crucial to their cognitive development. The educational implications will be considered.

#### **ETA121 The History of Art Teaching**

This module introduces trainee teachers to the history of ideas behind different approaches to the teaching of art. The module will describe the relationship between approaches to art education and particular conceptualisations about the nature of development and learning, and how these conceptualisations have their precedents in history. The intention is to assist trainee teachers locate their own approaches to art education within the context of ideas and to understand the orientation and significance of contemporary art education theory and practice.

## **ETA220 Developing Thinking Skills and Creativity in Visual Arts**

This module explores and considers recent research on creativity in relation to classroom practice. The contribution of art education in fostering and encouraging the growth of thinking skills and creativity will be discussed.

## English Language

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	ETE121	Introduction to the English Language I	Core	2	-
2	ETE221	Introduction to the English Language II	Core	2	-

### **ETE121 Introduction to the English Language I**

Focus on understanding the language requirements of the Singapore lower secondary English language syllabus through a review of the phonological and grammatical systems of English and their realization in the main text types in English. Review of the main reference resources available to teachers.

### **ETE221 Introduction to the English Language II**

Development of trainee teacher skills in recognizing types of pupil errors and ability to explain correct forms to lower secondary pupils. Practice in diagnosing errors in real examples of pupil oral and written work. Introduction to ways of presenting language knowledge through definition, explanation, exemplification and correction.

## Home Economics

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	ETX120	Food Management	Core	3	-
	ETX121	Textile Study	Core	3	-
	ETX122	Creative Textile	Core	2	-
2	ETX220	Food Science and Principles	Core	3	-
	ETX221	Clothing Construction	Core	3	-

### ETX120 Food Management

The study of nutrient values of specific food, changes of nutrient content of foods during food preparation and cooking will be investigated. Trainee teachers will identify ways of minimising nutrient loss during food preparation. Food spoilage and food-borne poisoning will also be examined.

### ETX121 Textiles Study

The study of textile fibres according to their origin, structure, physical and chemical properties. Yarn formation, fabric structure, coloration and finishing will be examined. The function of clothing and other textile products will be explored in the context of fibre content and fabric structure.

## **ETX122 Creative Textiles**

The study of aesthetic principles involved in the selection of colour, texture, line and shape and their application in the design and production of textiles and clothing. Textiles projects through the creative use of materials and decorative techniques.

## **ETX220 Food Science and Principles**

Study of physical and chemical properties of food, and changes occurring in food during selection, storage and preparation. This investigative approach to the underlying principles provides content knowledge, and develops process skills and experiments that can be applied to teaching at secondary school levels.

## **ETX221 Clothing Construction**

Wardrobe planning, factors influencing one's choice of clothes, wise buying of ready-made clothes. Basic apparel construction techniques used in making up simple garments and household items. Use and adaptation of commercial patterns.

## Mathematics

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	ETM121	Topics related to Lower Secondary Mathematics I	Core	2	-
2	ETM221	Topics related to Lower Secondary Mathematics II	Core	2	-

### **ETM121 Topics related to Lower Secondary Mathematics I**

Historical numeration systems, numeration systems in different bases, number systems and operations. Basic concepts in number theory and divisibility. Proportional reasoning and algebraic concepts.

### **ETM221 Topics related to Lower Secondary Mathematics II**

Concepts in statistics: data representation, measures of central tendency and variation. Selected topics in mensuration, geometry and trigonometry.

## Music

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	ETI120	General Musicianship I	Core	2	-
	ETI121	General Musicianship II	Core	2	ETI120
2	ETI220	General Musicianship III	Core	2	ETI121

### **ETI120 General Musicianship I**

Concerned with the formation of the trainee teacher's basic musicianship skills as applied to music teaching - listening, responding, analysing, performing and creating music. Included are areas such as instrumental (includes recorder and keyboard skills) and vocal techniques.

### **ETI121 General Musicianship II**

Concerned with the further formation of the trainee teacher's basic musicianship skills as applied to music teaching - listening, responding, analysing, performing and creating music. Included are areas such as instrumental (includes recorder and keyboard skills) and vocal techniques.

### **ETI220 General Musicianship III**

Concerned with the development of general musicianship skills towards analysing and diagnosing appropriate instructional goals, objectives, music teaching strategies and teaching materials for the primary school. Included are areas such as music & movement, elementary conducting and rehearsal techniques and improvisation/composition techniques.

## ACADEMIC SUBJECTS

### Art

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	EAA120	Introduction to Visual Literacy I	Core	3	-
	EAA121	Introduction to Visual Literacy II	Core	3	-
2	EAA220	Issues of Contemporary Southeast Asian Art	Core	3	-

### **EAA120 Introduction to Visual Literacy I**

An introduction to the interpretation and perception of visual imagery. This module explores the interactive areas of art history, criticism, aesthetics and art production. Trainee teachers are introduced to the psychological, historical and cultural contexts of art making.

### **EAA121 Introduction to Visual Literacy II**

Building on the work in “Introduction to Visual Literacy I”, this module will consider the relationship of visual cultures to cultural histories of art. Trainee teachers will examine some of the paradigms, which underlie interpretations, or ‘readings’ of visual art.

### **EAA220 Issues of Contemporary Southeast Asian Art**

Examines and reflects upon the various approaches used to give meaning to works of art. Discussion focuses on the confluence of a range of art practices from around the world upon the art scenes in Singapore and Southeast Asia.

## Home Economics

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	EAX120	Principles of Nutrition	Core	3	-
2	EAX220	Applied Nutrition	Core	3	-

### **EAX120 Principles of Nutrition**

A study of basic food groups and their respective functions, origins of foods, and deficiency diseases. Application of healthy eating guidelines in daily diet and food selection. Factors affecting food choices and eating disorders will be discussed.

### **EAX220 Applied Nutrition**

Physiological adaptations and nutritional needs through the life span; pregnancy and lactation, infancy, childhood, adolescence and adulthood (elderly). Food selection to meet nutritional requirements. Nutritional problems will be discussed in the context of weight control methods; and diseases such as obesity, diabetes and cancer.

## Music

Year	Module Code	Title	Module Category	No. of AUs	Pre-requisites
1	EAI120	Analysis in Music	Core	3	-
	EAI121	Studies in Eastern Musics	Core	3	-
2	EAI220	Composing	Core	3	-

### **EAI120 Analysis in Music**

Skills required to carry out effective and detailed analysis of music from a variety of genres, periods and traditions.

### **EAI121 Studies in Eastern Musics**

The study of Chinese, Malay and Indian music (both North and South Indian music) with an emphasis on active participation through performing and listening.

### **EAI220 Composing**

Exploration and development of a personal idiom with which to compose and to present a portfolio of one's own compositions.

## PRACTICUM

Year	Module code	Title	Module Category	No. of AUs	Pre-requisites
1	EPR120	Practicum I	Core	5	-
2	EPR220	Practicum II	Core	9	-

### EPR120 Practicum I

This first module is designed to facilitate the trainee teacher's induction into a school setting and to provide opportunities for him/her to carry out classroom teaching and other instructional-related tasks. By observing and working closely with the school's cooperating teacher in structured classroom activities, the trainee teacher will learn basic teaching and classroom management skills and acquire appropriate professional attitudes and values that can be expected of school teachers.

### EPR220 Practicum II

This module will expose the trainee teacher to further opportunities of teaching and managing pupils for the subjects that he/she has been trained to teach. By this stage of professional training, the trainee teacher will be exposed to the multi-faceted role of the teacher, such as planning, instructing, managing and assessing pupils' learning, as well as having some practice in using appropriate enrichment and remedial learning activities for target pupils in classrooms.

## **LANGUAGE ENRICHMENT AND ACADEMIC DISCOURSE SKILLS**

### **Use of English in Teaching**

<b>Year</b>	<b>Module Code</b>	<b>Title</b>	<b>Module Category</b>	<b>No. of AUs</b>	<b>Pre-requisites</b>
1	ELE121	Use of English in Teaching (Written Communication)	Core	2	-
2	ELE222	Spoken English in Teaching	Core	2	-

#### **ELE121 Use of English in Teaching (Written Communication)**

Written communication in the context of situations that teachers are likely to encounter in their professional capacity. Knowledge of and practice in conventions of professional written communication, using a process-driven approach based on prewriting, drafting, revising and editing, sharing and publishing. Use of language appropriately in producing clear, grammatically acceptable, and stylistically suitable writings.

#### **ELE222 Spoken English in Teaching**

Development of effective oral communication skills in instructing, explaining, questioning and responding as well as in reading aloud prose and poetry to children. Focus on effective articulation, including pronunciation, rhythm, stress and intonation, as well as non-verbal skills such as gesture and vocal tone.

## **GENERAL ELECTIVES**

In addition to the core modules and the required number of prescribed electives, Dip Ed (Teaching of Art/Music/Home Economics) trainee teachers must offer a minimum of 2 academic units of general electives which can be chosen from subjects offered by the Institute.