

Mandated Courses

Course Title: TLE-1 Home Economics Literacy**Learning Objectives:**

- Understand the importance of home economics in daily life
- Develop practical skills in cooking, baking, and food preparation
- Learn basic sewing techniques and clothing care
- Develop an understanding of home management and financial literacy

Introduction:

TLE-1 Home Economics Literacy is a course designed to equip students with the knowledge and skills needed for successful home management. The course focuses on practical skills such as cooking, baking, sewing, and clothing care, as well as financial literacy and home management. Through hands-on projects and assignments, students will develop essential skills that they can apply in their daily lives.

Discussion:

In this course, students will learn about the importance of home economics in daily life. They will develop practical skills in cooking, baking, and food preparation, learning how to make nutritious and delicious meals for themselves and their families. Students will also learn basic sewing techniques, including how to hem a garment and sew on a button, and how to properly care for clothing.

In addition to practical skills, students will learn about home management and financial literacy. They will learn how to manage their household budget and plan meals that are both nutritious and cost-effective. Students will also learn about proper food storage and handling, as well as how to keep their home clean and organized.

Throughout the course, students will complete hands-on projects and assignments that will challenge them to apply their knowledge in creative ways. These projects may include planning and preparing a meal for their family, creating a budget for a household project, or repairing a piece of clothing.

Conclusion:

TLE-1 Home Economics Literacy is a valuable course for anyone interested in developing essential life skills. Students will gain practical skills in cooking, baking, sewing, and clothing care, as well as an understanding of home management and financial literacy. Through hands-on projects and assignments, students will

apply their knowledge in creative ways and gain the practical experience needed to succeed in their daily lives.

Course Title: TLE-2 Introduction to Industrial Arts**Learning Objectives:**

- To introduce students to the basic concepts and principles of industrial arts
- To provide students with a foundational understanding of different materials, tools, and equipment used in industrial arts
- To develop students' creativity and problem-solving skills through hands-on activities in different areas of industrial arts

Introduction:

Industrial Arts is a field that covers a wide range of areas, including woodworking, metalworking, electronics, drafting, and more. This course is designed to introduce students to the basic concepts and principles of industrial arts, as well as the different tools, materials, and equipment used in the field. Throughout the course, students will have the opportunity to develop their creativity and problem-solving skills through hands-on activities and projects.

Discussion:

- Understanding the Principles of Industrial Arts: In this section, students will learn about the principles of industrial arts, including the importance of safety, precision, and accuracy. Students will also learn about the different tools and materials used in industrial arts and their applications in various projects.
- Introduction to Woodworking: In this section, students will learn about the basics of woodworking, including the different types of wood, saws, chisels, and other tools used in woodworking. Students will also have the opportunity to complete hands-on projects, such as building a birdhouse or a picture frame.
- Introduction to Metalworking: In this section, students will learn about the basics of metalworking, including the different types of metals, welding, soldering, and other techniques used in metalworking. Students will also have the opportunity to complete hands-on projects, such as creating a metal sculpture or a metal toolbox.
- Introduction to Electronics: In this section, students will learn about the basics of electronics, including the different components, circuits, and equipment used in electronics. Students will also have the opportunity to complete hands-on projects, such as building a simple electronic device or a circuit board.

Conclusion:

In conclusion, TLE-2 Introduction to Industrial Arts is a course designed to provide students with a foundational understanding of industrial arts. Through hands-on activities and projects, students will develop their creativity, problem-solving skills, and technical skills in different areas of industrial arts. This course lays the groundwork for future courses in industrial arts and related fields.

Course Title: TLE-3 Teaching Information and Communication Technology as an Exploratory Course

Learning Objectives:

- Identify the concepts and basic skills in using various software and applications in ICT.
- Develop lesson plans and activities suitable for exploratory courses in ICT.
- Create a safe and conducive learning environment for students to explore and experiment with ICT tools.
- Evaluate students' progress and learning outcomes in the exploratory course.
- Familiarize with the principles and practices of effective teaching and learning strategies in ICT.

Introduction:

The course TLE-3 Teaching Information and Communication Technology as an Exploratory Course aims to equip educators with the necessary knowledge and skills to effectively teach ICT as an exploratory course. This course provides an overview of the basic concepts and skills required in using various software and applications in ICT. It also covers effective teaching strategies and approaches that are suitable for exploratory courses in ICT.

Discussion:

The course covers the following topics:

- Overview of Information and Communication Technology
- ICT Tools and Applications
- Lesson Planning and Activity Development
- Creating a Safe and Conducive Learning Environment
- Effective Teaching Strategies and Approaches
- Assessing Learning Outcomes and Progress

The course emphasizes the importance of creating a safe and conducive learning environment for students to explore and experiment with ICT tools. Teachers will learn how to develop lesson plans and activities that are appropriate for exploratory courses in ICT, while also learning how to evaluate students' progress and learning outcomes. Moreover, the course will familiarize educators with the principles and practices of effective teaching and learning strategies in ICT.

Conclusion:

Teaching Information and Communication Technology as an exploratory course can be challenging, but it is also rewarding. With the right knowledge and skills, educators can create a safe and enjoyable learning environment for students to explore and experiment with ICT tools. This course provides educators with the necessary skills and knowledge to effectively teach ICT as an exploratory course, while also providing an overview of the basic concepts and skills required in using various software and applications in ICT.

Course Title: TLE-4 Introduction to Agri-Fishery Arts**Learning Objectives:**

- To introduce the learners to the basics of agri-fishery arts and its importance in society
- To provide the learners with an overview of the different agri-fishery practices and their applications
- To teach the learners about the principles and techniques involved in agri-fishery production and management

Introduction:

TLE-4 is an introductory course that aims to provide learners with a basic understanding of agri-fishery arts. This course will introduce the learners to the importance of agri-fishery arts in society and the various practices and techniques involved in agri-fishery production and management. Through this course, the learners will also gain an understanding of the various challenges and opportunities in the agri-fishery industry.

Discussion:

The course will cover the following topics:

- Overview of Agri-Fishery Arts
- Importance of Agri-Fishery Arts in Society
- Different Agri-Fishery Practices
- Principles and Techniques in Agri-Fishery Production and Management
- Challenges and Opportunities in the Agri-Fishery Industry

The learners will be introduced to the basics of agri-fishery arts and their importance in society. They will learn about the different agri-fishery practices and techniques involved in agri-fishery production and management, such as soil preparation, crop management, animal production, and aquaculture. The course will also provide an overview of the principles and techniques involved in agri-fishery production and management, including pest control, irrigation, and fertilization.

The learners will be exposed to the various challenges and opportunities in the agri-fishery industry. The course will provide the learners with an understanding of the role of agri-fishery arts in sustainable development and its potential in providing employment and food security.

Conclusion:

TLE-4 Introduction to Agri-Fishery Arts is an essential course for learners who want to gain a basic understanding of the importance and practices involved in agri-fishery production and management. Through this course, the learners will learn about the various challenges and opportunities in the agri-fishery industry and how it contributes to sustainable development. This course will equip the learners with the foundational knowledge needed to pursue further studies in agri-fishery arts or related fields.

Course Title: TLE-5 Entrepreneurship**Learning Objectives:**

- Define entrepreneurship and its importance in the economy
- Identify the different forms of entrepreneurship and the qualities needed to become a successful entrepreneur
- Explain the basic steps involved in starting a business and managing it effectively
- Analyze the market demand and supply, and conduct feasibility studies for business ideas
- Develop a business plan, including marketing, financial and operational plans
- Utilize technology and other resources in managing a business

Introduction:

Entrepreneurship plays a vital role in the economy, creating job opportunities, and driving innovation and growth. The TLE-5 Entrepreneurship course aims to provide learners with a comprehensive understanding of entrepreneurship and the skills needed to start and manage a business successfully. Through this course, learners will be equipped with knowledge of the different forms of entrepreneurship, the basic steps involved in starting and managing a business, conducting feasibility studies, developing a business plan, and utilizing technology and other resources in managing a business.

Discussion:

The course will cover the following topics:

1. Introduction to Entrepreneurship

- Definition of entrepreneurship
- Importance of entrepreneurship in the economy
- Characteristics of successful entrepreneurs
- Types of entrepreneurship

2. Starting a Business

- Idea generation and market analysis
- Conducting feasibility studies
- Legal aspects of starting a business
- Funding options for start-ups

3. Business Planning

- Developing a business plan
- Marketing plan and strategies
- Financial plan and management
- Operational plan and management

4. Managing a Business

- Utilizing technology in managing a business
- Human resource management
- Time and stress management
- Risk management

Conclusion:

TLE-5 Entrepreneurship is an essential course for learners who aspire to become successful entrepreneurs or those who want to acquire skills and knowledge to manage a business effectively. By the end of the course, learners will be equipped with the necessary skills to start a business and manage it efficiently. Through this course, learners will also gain an understanding of the importance of entrepreneurship in the economy and its impact on job creation and economic growth.

Course Title: TLE-6: Teaching Common Competencies in Home Economics

Learning Objectives:

- Understand the common competencies in Home Economics
- Plan and design lesson activities that align with the common competencies in Home Economics
- Implement effective teaching strategies that enhance the learning of the common competencies in Home Economics
- Evaluate student learning and provide feedback based on the common competencies in Home Economics

Introduction:

TLE-6 is a course designed to equip Home Economics teachers with the knowledge, skills, and strategies needed to effectively teach common competencies in Home Economics. In this course, you will learn about the common competencies and their significance in the field of Home Economics. You will also learn how to plan, design, and implement lesson activities that align with the common competencies, as well as strategies to evaluate student learning and provide feedback based on these competencies.

Discussion:

- Understanding Common Competencies in Home Economics: In this section, we will discuss the common competencies in Home Economics and their significance. These competencies include basic skills, thinking skills, personal qualities, and work values. You will learn how to identify and define these competencies and how they relate to Home Economics education.
- Planning and Designing Lesson Activities: In this section, we will focus on planning and designing lesson activities that align with the common competencies in Home Economics. You will learn how to incorporate these competencies into your lesson plans and activities and how to create engaging and relevant learning experiences for your students.
- Implementing Effective Teaching Strategies: In this section, we will explore effective teaching strategies that enhance the learning of the common competencies in Home Economics. We will discuss various instructional methods, such as inquiry-based learning and cooperative learning, and how to apply them to Home Economics education.
- Evaluating Student Learning and Providing Feedback: In this section, we will discuss strategies for evaluating student learning based on the common competencies in Home Economics. You will learn how to design

assessments that align with these competencies and provide feedback that promotes student growth and development.

Conclusion:

By the end of this course, you will have gained a deeper understanding of the common competencies in Home Economics and how to effectively teach them. You will have learned how to plan and design lesson activities, implement effective teaching strategies, and evaluate student learning based on these competencies. This course will equip you with the knowledge, skills, and strategies needed to create engaging and meaningful learning experiences for your Home Economics students, preparing them for success in their future careers and everyday lives.

Course Title: TLE-7 Teaching Common Competencies in Industrial Arts

Learning Objectives:

- Define the concept of Common Competencies in Industrial Arts
- Identify the different teaching strategies and methods used in teaching Common Competencies in Industrial Arts
- Demonstrate how to design and implement lesson plans for Common Competencies in Industrial Arts
- Develop and evaluate assessment tools for Common Competencies in Industrial Arts

Introduction:

TLE-7 Teaching Common Competencies in Industrial Arts is a course designed for aspiring teachers who want to specialize in teaching Industrial Arts. This course focuses on teaching the common competencies required in the K-12 Industrial Arts curriculum. It aims to develop the skills and knowledge of teachers in designing, implementing, and assessing lesson plans for common competencies in Industrial Arts.

Discussion:

- Definition of Common Competencies in Industrial Arts
- Teaching strategies and methods for Common Competencies in Industrial Arts
- Designing and implementing lesson plans for Common Competencies in Industrial Arts
- Assessment and evaluation of Common Competencies in Industrial Arts

Definition of Common Competencies in Industrial Arts:

Common competencies in Industrial Arts refer to the basic skills and knowledge that every student must acquire to be successful in the field of Industrial Arts. These competencies include the ability to read and interpret technical drawings, use tools and equipment properly, follow safety guidelines, and apply mathematical concepts in industrial processes.

Teaching strategies and methods for Common Competencies in Industrial Arts:

There are several teaching strategies and methods that can be used in teaching common competencies in Industrial Arts. These include lecture-discussion, demonstration, hands-on activities, problem-based learning, and group work. The choice of teaching strategy and method will depend on the

competency being taught, the level of the students, and the available resources.

Designing and implementing lesson plans for Common Competencies in Industrial Arts:

To design and implement effective lesson plans for common competencies in Industrial Arts, teachers need to identify the learning objectives, choose appropriate teaching strategies and methods, and develop assessment tools. Teachers should also consider the students' interests, abilities, and learning styles when designing lesson plans.

Assessment and evaluation of Common Competencies in Industrial Arts:

Assessment is an essential part of the teaching and learning process. In assessing common competencies in Industrial Arts, teachers should use a variety of assessment tools such as performance tasks, quizzes, and projects. Evaluation should be done regularly to determine the effectiveness of the lesson plans and teaching strategies.

Conclusion:

TLE-7 Teaching Common Competencies in Industrial Arts is a valuable course for aspiring teachers who want to specialize in teaching Industrial Arts. It provides a comprehensive guide on how to design, implement, and assess lesson plans for common competencies in Industrial Arts. By taking this course, teachers can develop the necessary skills and knowledge to help their students become successful in the field of Industrial Arts.

Course Title: Teaching Common Competencies in Information and Communication Technology

Learning Objectives:

- Understand the importance of teaching common competencies in information and communication technology
- Identify the different competencies that need to be taught in ICT
- Develop effective strategies in teaching ICT competencies

Introduction:

Information and Communication Technology (ICT) plays a crucial role in today's society, and it has become an integral part of our daily lives. The use of technology has brought significant changes in the way people communicate, work, and learn. As a teacher, it is essential to recognize the importance of teaching ICT competencies to equip students with the necessary skills to succeed in the digital world. In this course, we will discuss the common competencies that need to be taught in ICT and how to develop effective strategies in teaching these competencies.

Discussion:

1. Importance of teaching common competencies in ICT

- The demand for ICT skills in the workplace and society
- The role of technology in enhancing learning
- Preparing students for the digital world

2. Common competencies in ICT

- Basic computer operations
- Word processing
- Spreadsheet software
- Presentation software
- Internet and email usage
- Online communication tools
- Digital citizenship and online safety

3. Effective strategies in teaching ICT competencies

- Creating a positive learning environment
- Making use of technology in teaching
- Providing hands-on activities and projects
- Incorporating real-world applications
- Assessing student learning and providing feedback

Conclusion:

Teaching common competencies in ICT is crucial in preparing students for the digital world. By equipping them with the necessary skills, they can become more competitive in the job market and contribute to society. As a teacher, it is our responsibility to develop effective strategies in teaching ICT competencies and provide students with a positive learning experience. By doing so, we can help our students achieve success and become responsible digital citizens.

Course Title: TLE-9 Teaching Common Competencies in Agri-Fishery Arts

Learning Objectives:

- Understand the importance of agri-fishery in the economy and daily living.
- Develop basic knowledge and skills in agri-fishery such as planting, animal husbandry, fishing, and food processing.
- Apply critical thinking and problem-solving skills in the context of agri-fishery.
- Foster an appreciation for sustainable and ethical practices in agri-fishery.

Introduction:

Agri-fishery is a crucial component of many economies worldwide, providing food, raw materials, and employment to countless people. As such, it is important for students to develop an understanding of the principles and practices of agri-fishery. This course aims to equip students with the basic knowledge and skills needed to engage in agri-fishery practices, while promoting critical thinking, problem-solving, and ethical awareness.

Discussion:

- Importance of Agri-fishery: In this section, students will learn about the importance of agri-fishery in the economy and daily living, including its role in food security, employment, and economic growth. Students will also examine the challenges and opportunities associated with agri-fishery practices.
- Agri-fishery Knowledge and Skills: In this section, students will develop basic knowledge and skills in agri-fishery such as planting, animal husbandry, fishing, and food processing. Students will learn about the tools and equipment used in these practices, as well as the techniques and procedures involved. They will also learn about the importance of sustainability and ethical practices in agri-fishery.
- Critical Thinking and Problem-Solving: In this section, students will apply critical thinking and problem-solving skills in the context of agri-fishery. They will analyze case studies and scenarios related to agri-fishery practices, and develop solutions and strategies to address the challenges presented.
- Ethical Awareness: In this section, students will foster an appreciation for sustainable and ethical practices in agri-fishery. They will examine the ethical implications of different agri-fishery practices, and develop a framework for making ethical decisions in the context of agri-fishery.

Conclusion:

In conclusion, TLE-9 Teaching Common Competencies in Agri-Fishery Arts aims to equip students with the basic knowledge and skills needed to engage in agri-fishery practices, while promoting critical thinking, problem-solving, and ethical awareness. By the end of the course, students will have a better understanding of the importance of agri-fishery in the economy and daily living, and will be able to apply their knowledge and skills to make informed decisions in the context of agri-fishery practices.