



MCAST

MQF/EQF Level 3

CA3-04-22

Diploma in Art and Design

Course Specification

Course Description

This programme gives learners the opportunity to explore two different areas, those of Art and Design. Learners are encouraged to experiment with different media, resistant and non-resistant materials used in the generic disciplines of Art, 3D Design (Product and Spatial) and Fashion. Learners learn skills using different workshops and related tools and technology, as well as learn the theoretical aspects of various specialist areas, with awareness of health and safety priorities. Another important aspect of the course is the development of the learners' communication skills.

Programme Learning Outcomes

At the end of the programme the students are able to

1. *Understand the difference and similarities between Fine arts and Design.*
2. *Perform complex Art and Design tasks in accordance with clear instructions.*
3. *Participate in the cultural life of the local community.*
4. *Apply basic techniques in materials in art and Design.*

Entry Requirements

- MCAST Foundation Certificate* OR
- 2 SEC/O-Level/SSC&P (Level 3) passes
Compulsory: Art or Art and Design or Textiles and Design or Fashion and Textiles

*As from 2025-2026, progression shall be limited to students completing the MCAST Foundation Certificate in the Creative Arts.

Other Entry Requirements

Applicants may be asked to sit for an Interview and/or present a Portfolio.

Key Information

Awarding Body - MCAST

Accreditation Status - Accredited via MCAST's Self Accreditation Process (MCAST holds Self-Accrediting Status as per 1st schedule of Legal Notice 296/2012)

Type of Programme: Qualification

MQF Level	Examples of Qualifications	'Qualification' Minimum Credits Required	'Award' Credits Required
Level 8	Doctoral Degree Third Cycle Bologna Process	NA	NA
Level 7	Masters Second Cycle Bologna Process	90-120	Less than 30
	Post-Graduate Diploma	60	
	Post-Graduate Certificate	30	
Level 6	Bachelor ²³ /Bachelor (Hons.) ²⁴ First Cycle Bologna Process	180-240	Less than 180
Level 5	Short Cycle Qualification	120	Less than 60
	Undergraduate Higher Diploma	90	
	Undergraduate Diploma	60	
	Undergraduate Certificate	30	
	VET Level 5 Programme ²⁵	60-120	
Level 4	Pre-Tertiary Certificate	30	Less than 120
	VET Level 4 Programme ²⁶	120	
	MATSEC Certificate	NA	
Level 3	VET Level 3 Programme ²⁷	60	Less than 60
	General and Subject Certificate	NA	
Level 2	VET Level 2 Programme ²⁸	60	Less than 60
	General and Subject Certificate	NA	
Level 1	VET Level 1 Programme ²⁹	40	Less than 40
	General and Subject Certificate	NA	
Introductory Level A	Preparatory Programme	30	Less than 30
Introductory Level B	Pre-entry Basic Skills Course	30	Less than 30

Table 1: Minimum number of credits for 'Qualifications' and parameters for 'Awards'

Fig.1: p56, Ministry for Education and Employment & National Commission for Further and Higher Education Malta (2016). *Referencing Report, 4th Edition*. NCFHE.

Total number of Hours: 1500

Mode of attendance: Full Time

Duration: 1 Year

Target audience for MCAST full-time courses is 16 to 65+

Target group: Students leaving compulsory education

The official language of instruction at MCAST is English. All notes and textbooks are in English (except for language courses which will be in the respective language being instructed). International candidates will be requested to meet English language certification requirements for access to the course.

This course will be offered at

MCAST has four campuses as follows:

MCAST Main Campus

Triq Kordin, Paola, Malta

All courses except for the Institute for the Creative Arts, Centre of Agriculture, Aquatics and Animal Sciences are offered here.

Institute for the Creative Arts

Mosta Campus

Misraħ Ghonoq Targa Gap,

Mosta

**Institute of Applied Sciences,
Centre of Agriculture, Aquatics and Animal Sciences,
Luqa Road, Qormi**

Gozo Campus

J.F. De Chambray Street

MCAST, Ghajnsielem

Gozo

Teaching, Learning and Assessment

The programmes offered are vocational in nature and entail both theoretical lectures delivered in classes as well as practical elements that are delivered in laboratories, workshops, salons, simulators as the module requirements dictate.

Each module or unit entails a number of in person and/or online contact learning hours that are delivered by the lecturer or tutor directly (See also section 'Total Learning Hours').

Access to all resources is provided to all registered students. These include study resources in paper or electronic format through the Library and Resource Centre as well as tools, software, equipment and machinery that are provided by the respective institutes depending on the requirements of the course or module.

Students may however be required to provide consumable material for use during practical sessions and projects unless these are explicitly provided by the College.

All Units of study are assessed throughout the academic year through continuous assessment using a variety of assessment tools. Coursework tasks are exclusively based on the Learning Outcomes and Grading Criteria as prescribed in the course specification. The Learning Outcomes and Grading Criteria are communicated to the Student via the coursework documentation.

The method of assessment shall reflect the Level, credit points (ECTS) and the schedule of time-tabled/non-timetabled hours of learning of each study unit. A variety of assessment instruments, not solely Time Constrained Assignments/Exams, are used to gather and interpret evidence of Student competence toward pre-established grading criteria that are aligned to the learning outcomes of each unit of the programme of study.

Grading criteria are assessed through a number of tasks, each task being assigned a number of marks. The number of grading criteria is included in the respective Programme Specification.

The distribution of marks and assessment mode depends on the nature and objectives of the unit in question.

Coursework shall normally be completed during the semester in which the Unit is delivered.

Time-constrained assignments may be held between 8 am and 8 pm during the delivery period of a Unit, or at the end of the semester in which the Unit is completed. The dates are notified and published on the Institute notice boards or through other means of communication.

Certain circumstances (such as but not limited to the Covid 19 pandemic) may lead Institutes and Centres to hold teaching and assessment remotely (online) as per MCAST QA Policy and Standard for Online Teaching, Learning and Assessment (Doc 020) available via link <https://www.mcast.edu.mt/college-documents/>

The Programme Regulations referenced below apply. (DOC 004 available at: link <https://www.mcast.edu.mt/college-documents/>

Total Learning Hours

The total learning hours required for each unit or module are determined as follows:

Credits (ECTS)	Indicative contact hours	Total Student workload (hrs)	Self-Learning and Assessment Hours
1	5 - 10 hrs	25 hrs	20-15 hrs*
2	10 - 20 hrs	50 hrs	40-30 hrs*
3	15 - 30 hrs	75 hrs	60-45 hrs*
4	20 - 40 hrs	100 hrs	80-60 hrs*
6	30 - 60 hrs	150 Hrs	120-90 hrs*
9	45 - 90 hrs	225 hrs	180-135 hrs*
12	60 - 120 hrs	300 hrs	240-180 hrs*

* The 'Self-Learning and Assessment Hours' amount to the difference between the contact hours and total student workload.

Grading system

All MCAST programmes adopt a learner centred approach through the focus on Learning Outcomes. The assessment of MCAST programmes is criterion-referenced and thus assessors are required to assess learners' evidence against a pre-determined set of Learning Outcomes and assessment criteria.

For a student to be deemed to have successfully passed a unit, a minimum of 50% (grade D) must be achieved. In case of part time programmes, the student must achieve a minimum of 45% to successfully pass the unit.

All units are individually graded as follows:

A* (90-100)

A (80-89)

B (70-79)

C (60-69)

D (50-59)

Unsatisfactory work is graded as 'U'.

Work-based learning units are graded on a Pass/Fail basis only.

Detailed information regarding the grading system may be found in the following document: DOC 004 available at: link <https://www.mcast.edu.mt/college-documents/>

Intake Dates

- MCAST opens calls for application once a year between July and August of each year for prospective applicants residing in MALTA.
- Applications to full-time courses from international students not residing in MALTA are accepted between April and Mid-August.
- For exact dates re calls for applications please follow this link <https://www.mcast.edu.mt/online-applications-2/>

Course Fees

MCAST course are free for Maltese and EU candidates. International candidates coming from outside the EU need to pay fees for the respective course. Course fees are set on a per-level and course duration basis. For access to course fee structure and payment methods please visit <https://www.mcast.edu.mt/fee-payments-for-non-eu-candidates/>.

Method of Application

Applications to full-time courses are received online via the College Management Information System. Candidates can log in using Maltese Electronic ID (eID) or European eIDAS (electronic identification and trust services) to access the system directly and create an account as the identity is verified electronically via these secure services.

Non-EU candidates need to request account creation through an online form by providing proof of identification and basic data. Once the identity is verified and the account is created the candidate may proceed with the online application according to the same instructions applicable to all other candidates.

Non-EU candidates require a study visa in order to travel to Malta and join the course applied for. For further information re study-visa please access <https://www.identitymalta.com/unit/central-visa-unit/>.

For access to instructions on how to apply online please visit <https://www.mcast.edu.mt/online-applications-2/>

Contact details for requesting further information about future learning opportunities:

MCAST Career Guidance

Tel: 2398 7135/6

Email: career.guidance@mcast.edu.mt

Current Approved Programme Structure

Unit Code	Unit Title	ECTS	Semester
CAART-306-1501	Design Crafts Project	6	B
CAART-306-1502	Drawing and Painting	6	B
CAART-306-1503	Drawing and Print Making	6	A
CAART-306-1504	Generating and Presenting Ideas	6	YEAR
CAART-306-1505	Materials Exploration	6	A
CAART-306-1506	Visual and Contextual Studies	6	A
CDKSK-304-1922	English	4	YEAR
CDKSK-304-1921	Mathematics	4	YEAR
CDKSK-304-1923	Malti	4	YEAR
CDKSK-304-2108	Information Technology	4	YEAR
CDKSK-304-2103	Community Social Responsibility	4	YEAR
CDKSK-304-1925	Science	4	YEAR
Total ECTS		60	/

CAART-306-1501: Design Crafts Project

Unit level (MQF/EQF): 3

Credits: 6

Delivery Mode: Face to Face

Total Learning Hours: 150

Unit description

In this unit, learners will work to a design crafts brief that will encourage an individual and creative response. It will help the learner develop an ability to critically analyse and integrate research to understand materials, methods and skills to solve 3D problems in art and design.

By completing this unit learners will have an understanding of the range of possibilities available within the 3D Visual Arts and how materials, processes and the work of artists, craftspeople and designers, can be used to develop ideas and produce final work. Learners will respond to a project brief producing one final piece of work that could be as diverse as a piece of sculpture, an installation, 3D design such as ceramics, furniture design, or jewellery. Materials used are not limited and they include metal, stone, wood, clay, plasticine and recycled materials.

Learning Outcomes

On completion of this unit learners should be able to:

1. *Investigate design crafts practice.*
2. *Explore material, techniques and processes in response to design crafts briefs.*
3. *Develop ideas in response to design crafts briefs.*
4. *Produce and present an outcome in response to a design crafts brief.*

CAART-306-1502: Drawing and Painting

Unit level (MQF/EQF): 3

Credits: 6

Delivery Mode: Face to Face

Total Learning Hours: 150

Unit description

At this level, learners will acquire an extended knowledge of drawing and painting techniques. They will need to apply their previous knowledge concerning art and composition elements. They will draw and paint on a given model, using instructions from teachers and knowledge from suggested textbooks. Learners will improve their perceptual skills by analysing the drawings of the great masters and creating their own. The aim of this unit is to inspire learners to think in a more creative and critical way. With this aim, results of learners' works will be analysed upon the completion of every practical task.

This unit will help learners develop drawing and painting skills in relation to visual arts disciplines and to relate them to other areas of creativity. Learners will explore various aspects of drawing and painting developing competence and they will gain confidence in those fine arts skills. Learners will undertake exercises that will emphasise drawing and painting as a means of creative expression. Guided by teachers, they will learn to observe and analyse drawing motifs, design a drawing with the focus on art composition, light and shadows, perspective, detail and whole relations.

In a series of flexible workshop sessions learners will cover different themes and motives. They will use various tools (pencil, charcoal, ink, water colours, tempera, acrylic and oil) on various materials (few types of paper and canvases) for given themes.

The unit is meant to help learners use the acquired knowledge and skills and apply them in other units, daily life, additional education and future careers. The work is mostly practical, with an individual form of teaching (correction), with emphasis on the promotion of artistic identity of the learners.

Learning Outcomes

On completion of this unit learners should be able to:

1. *Use different techniques and media to develop drawing skills.*
2. *Use different techniques and media to develop painting skills.*
3. *Demonstrate improved observational skills within an art and design context.*
4. *Analyse the presented artwork.*

CAART-306-1503: Drawing and Print Making

Unit level (MQF/EQF): 3

Credits: 6

Delivery Mode: Face to Face

Total Learning Hours: 150

Unit description

Learners will gain a wide range of drawing skills and they will be in situation to apply their previous knowledge of elements of art and elements of composition. In the process of analysing drawings of great masters and creating their own drawings, students will improve their perceptual skills. The first part of this unit is aimed at inspiring students to think in a more creative and critical way.

This program includes a more complex study such as still life, landscape, architecture (interior and exterior), portraiture and human figure. Learners will produce drawings in some of the following media: graphite, chalk and charcoal, pastels, sanguine, ink and pen. They will also have the possibility to experiment with a variety of different sizes and qualities of paper.

Printmaking, as an area of visual art, permeates all other regions of visual expression and underlines all of the contemporary ways of articulation in visual arts. Therefore, the second part of this unit is conceived in full correlation with other main subjects, such as drawing, painting, sculpturing and design. Knowledge about elements of art (line, shape, form, color, tone-value, space, texture) and elements of composition is crucial also in printmaking.

Basic categories of printmaking techniques will be explained and demonstrated to students: relief (woodcut, linocut), intaglio (engraving, drypoint, etching, mezzotint, aquatint), planographic (lithography), stencil (serigraphy). Students will know which materials and tools are used for each of those techniques. Types of presses will also be shown to them.

During practical workshops, students are going to learn how to make artworks by printing using few techniques: woodcut or linocut and etching. Creative goal of this unit is to make students thoroughly proficient in the recognition and application of materials and in creating their personal approach to the medium.

Important issue about printmaking is protective equipment. Students will have to know how to protect themselves and environment from exposure to various acids, vapors and solvents.

Learning Outcomes

On completion of this unit learners should be able to:

1. *Apply basic drawing techniques based on theoretical knowledge (elements of art, elements of composition) in creating own drawings.*
2. *Demonstrate good observational skills in art and design.*
3. *Produce experimental prints using various printmaking techniques.*
4. *Present an edition of final artistic prints.*

CAART-306-1504: Generating and Presenting Ideas in Art and Design

Unit level (MQF/EQF): 3

Credits: 6

Delivery Mode: Face to Face

Total Learning Hours: 150

Unit description

In this unit, students will gain basic knowledge about creative thinking and idea generating. Its aim is to provide an opportunity for students to learn about usual creative techniques for idea generating, such as brainstorming, and to go through the entire concept of establishing, perfecting and presenting a concept of their own.

Together with basic knowledge about creativity, and creative process, students will be taught skills required to create a presentation of their own creative processes and artistic developments.

The students will have the opportunity to establish their own creative processes that will guide them in their professional career while also using different tools and techniques for presentation purposes. At the end of this unit learners will be able to responsibly maintain a portfolio of their work which reflects their individual creative processes and artistic development.

Learning Outcomes

On completion of this unit learners should be able to:

1. *Understand basic psychological facts about creativity.*
2. *Generate and present a concept visually.*
3. *Establish a personal creative process.*
4. *Communicate and present a portfolio to an intended audience.*

CAART-306-1505: Materials Exploration

Unit level (MQF/EQF): 3

Credits: 6

Delivery Mode: Face to Face

Total Learning Hours: 150

Unit description

The aim of this unit is to familiarise students with the world of materials, techniques and processes. They will be able to use tools and machinery safely as well as various materials (e.g. Stone, Metal, Wood, Textiles, Plastics, Ceramics, etc.). Basic methods in techniques and processes will be explained and demonstrated in the context of 3D design materials.

Students will be introduced to basic technical and structural actions for implementing simple dimensional forms in a range of materials. The practical part of this unit covers both Resistant and Non-resistant materials and students will produce experimental work and models in a variety of material that are 'fit for purpose'. It is obligatory for the students at this level to master the production processes.

Artifacts can be designed and interpreted using basic elements and principles of design; Volume, space, line, texture, balance, contrast, colour, scale, etc. The key elements will be on the functionality and aesthetics. In the context of the key elements of 3D works many examples from artists, crafts persons and designers will be presented and analysed.

The contemporary approach to 3D design will be highlighted and connected to Art and Design theory. Learners will be able to create objects using combination of materials. This will enable them to design ideas and projects related to individual themes using a range of techniques and processes of personal choice.

Learning Outcomes

On completion of this unit learners should be able to:

- 1. Understand the essential characteristics of materials.*
- 2. Show advanced knowledge of production techniques and processes.*
- 3. Develop own individual artistic expression in artefacts.*
- 4. Create test pieces with an individual theme using techniques and processes.*

CAART-306-1506: Visual and Contextual Studies

Unit level (MQF/EQF): 3

Credits: 6

Delivery Mode: Face to Face

Total Learning Hours: 150

Unit description

Artists, designers and craftspeople need to be knowledgeable about historical creative and cultural developments whilst keeping up to date with contemporary developments in order to communicate their ideas effectively. A large part of this revolves around the study of works of art and design but also includes an understanding of social, political and technological developments and their impact on art, craft and design.

This unit provides guidelines on the research and analysis of art and design in context from prehistory to the nineteenth century, with particular reference to influences on art and design today.

Learning Outcomes

On completion of this unit learners should be able to:

1. *Conduct research in art and design, and show ability to evaluate material.*
2. *Analyse examples from the history of art and design in context.*
3. *Apply essential study that relates contemporary visual culture to the history of art and design.*
4. *Understand theoretical knowledge & information in the history of art and design.*

CDKSK-304-1922: English

Unit level (MQF/EQF): 3

Credits: 4

Delivery Mode: Face to Face

Total Learning Hours: 100

Unit Description

This unit is targeted at learners proceeding from a Level 2 vocational programme (therefore taking into account completion of Level 2 Key Skills English) as well as those whose entry level is directly at Level 3.

In line with the Malta Qualifications Framework for Level Descriptors, English for Diploma Programmes takes into account the learning of English in terms of knowledge, skills and competences. Knowledge seeks to assess recognition of facts, principles and general concepts in a field of work or study, while skills assess the application of that knowledge in the accomplishment of tasks by employing basic methods, materials and information. In turn, competences empower the learner by giving him/her full responsibility for their accomplishment.

At Level 3, learners are expected to have sufficient knowledge of English in order to deal with everyday situations in scenarios ranging from home, work, social and public settings. General emphasis is laid on work and public settings. In their application of this knowledge, learners are required to listen to or read a range of short texts of a technical and non-technical nature, as well as information broadcast through the popular media. General understanding as well as association of ideas and inference of meaning are expected at this level. Learners should be capable of communicating in English by discussing familiar topics or vocational topics previously exposed to.

This unit encourages learners to combine their technical knowledge with their growing knowledge of general English. They will be introduced to specialised vocabulary related to their area of vocational interest: to materials and their properties, equipment and its usage, processes, tools, devices, customer service and item servicing and general workshop/laboratory practice. In addition, learners are expected to be able to write and produce short but effective work-related memoranda, personal letters, letters of application and curriculum vitae. Writing practice will be contextualised according to the various exigencies of the various institutes.

Learning Outcomes

On completion of this unit a learner will be able to:

1. *Listen to and understand information obtained from a media source.*
2. *Identify and comprehend information presented textually in vocational and technical contexts.*
3. *Identify, comprehend, and interpret information presented visually.*
4. *Speak and communicate ideas effectively on a range of topics ranging from the personal to the technical/vocational.*
5. *Write short, work-related correspondence in the form of memoranda, letter of application and curriculum vitae.*
6. *Research and organise information for extended technical/vocational writing.*

CDKSK-304-1921: Mathematics

Unit level (MQF/EQF): 3

Credits: 4

Delivery Mode: Face to Face

Total Learning Hours: 100

Unit Description

This unit aims to develop the mathematical knowledge and skills required to apply mathematics in real-life situations. The student should be given the opportunity to engage in problem solving by: (i) exploring different approaches to solve a given problem; (ii) using appropriate strategies and language to arrive to a solution; and (iii) checking the validity and accuracy of the solution. The interconnectivity between different areas of mathematics should be pointed out to the student, even though some areas might require different techniques and tools (including ICT tools). The use of (scientific) calculators and ICT can be integrated in the delivery of the topics listed hereunder. The student should also be helped to develop and appreciate mathematical reasoning and deductive skills by being exposed to short proofs.

By the end of this unit, the student should demonstrate readiness and competency to independently apply mathematical techniques in solving problems, and be able to communicate findings using appropriate mathematical vocabulary and rigour.

These problems will involve:

- (a) numerical calculations,
- (b) algebraic manipulation,
- (c) geometrical properties,
- (d) basic statistical analysis and
- (e) probabilistic techniques.

Learning outcomes

To achieve this unit, the student must be able to:

1. *Compute further numerical calculations.*
2. *Construct and manipulate formulae and algebraic expressions.*
3. *Construct linear equations using graphical techniques.*
4. *Apply geometrical properties of lines, shapes and solids to find lengths, angles, areas and volumes.*

5. *Summarise statistical data both graphically and numerically.*
6. *Determine the probability of single events and of the combination of independent events.*

CDKSK-304-1923: Malti

Unit level (MQF/EQF): 3

Credits: 4

Delivery Mode: Face to Face

Total Learning Hours: 100

Daħla

L-ilsien huwa essenzjali fl-iżvilupp intellettuali, emozzjonali u soċjali ta' kull individwu. Il- Malti mhux biss jiġbor fih identità lingwistika u kulturali iżda huwa għodda ta' komunikazzjoni u interazzjoni. Permezz ta' l-ilsien Malti l-individwu jista' jesprimi dak kollu li jhoss u jkun kreattiv fil-messaġġ li jrid iwassal filwaqt li jkun espost għal oqsma oħra ta' taġħlim. Il-Malti huwa lsien ħaj li ssawwar mill-poplu Malti u għadu qiegħed jissawwar biex jibqa' għodda ta' kreattività għal kull min jużah.

L-Għanijiet

Biex l-istudenti jiksbu din l-unità jridu juru li kapaci:

1. Jifhmu diskors standard li wieħed juża u jiltaqa' miegħu fil-ħajja ta' kuljum, kif ukoll jifhmu suġġetti marbuta ma' ġrajjet kurrenti u suġġetti personali u ta' interess professjonali u vokazzjonali.
2. Jifhmu testi li jikkonsistu f'diskors użat fil-ħajja ta' kuljum u fid-dinja tax-xogħol filwaqt li jifhmu deskrizzjoni ta' avvenimenti, fehmi u opinjonijiet permezz tal-qari.
3. Jaffrontaw sitwazzjonijiet f'kuntast ta' konverżazzjoni u jikkellmu fuq suġġetti li huma familjari jew ta' interess personali kif ukoll marbuta mad-dinja ta' kuljum u l-qasam tax- xogħol.
4. Jiformolaw testi fuq suġġetti li huma familjari għalih u ta' interess personali u vokazzjonali b'mod preċiż u relevanti f'dak li għandu x'jaqsam mal-lingwa Maltija.
5. Jhaddmu ħiliet varji għal skop ta' taġħlim, li jmorru lil hinn mil-lingwa.

CDKSK-304-2108: Information Technology

Unit level (MQF/EQF): 3

Credits: 4

Delivery Mode: Face to Face

Total Learning Hours: 100

Unit Description

This unit aims to develop basic computer knowledge and skills needed in real-life situations. In a supportive environment, the learner will be challenged to understand how to use various real-life applications belonging to a productivity suite with the aim of providing to our learners the necessary skills required to use common computer applications necessary during their studies. By the time learners complete this unit they will be increasingly independent users of personal computers and will have a broad understanding of how ICT can help their learning, their work, and their social life. They will have a well-developed ability to decide when and how to use ICT and will be aware of the limitations associated with this use.

Through this unit the learners will achieve a broad knowledge of ICT and will be able to use ICT to carry out several increasingly complex tasks. They will be competent in using word processing, spreadsheet, and presentation software to create, format and finish documents, workbooks and slide shows that contains various elements. Finally, this unit also introduces the use of online communities and online tools to build and maintain an online presence.

Learning outcomes

To achieve this unit, the student must be able to:

1. *Use a word processing application to create everyday letters and documents.*
2. *Use a spreadsheet to produce accurate work outputs.*
3. *Use presentation software.*
4. *Utilise online collaboration tools.*
5. *Use internet presence management tools.*

CDKSK-304-2103: Community Social Responsibility

Unit level (MQF/EQF): 3

Credits: 4

Delivery Mode: Face to Face

Total Learning Hours: 100

Unit Description

This key skill presents the opportunity for MQF level 3 learners to explore their individual self through the analysis of their core values and behavioural tendencies. This will bestow insight upon the learners, which will assist them in setting and/or recalibrating their future goals. Through the acquisition of different life skills, learners will be empowered to explore their surroundings and become more responsible towards the environment which hosts them. Delving into what constitutes responsibility towards others, the learners will be presented with the opportunity to recognise the significance of developing an adequate personal conduct. The learners will also be presented with opportunities to develop and/or hone their management and organisational skills, which in return will assist them in becoming more employable and independent. Through the completion of a compulsory community work experience, learners will recognise the benefits of self-management skills towards the acquisition of balance within one's lifestyle. The completion of the compulsory community work project will also present the ideal opportunity for the students to analyse their experience, evaluate their own performance and also generate suggestions and recommendations for future good practices.

Learning Outcomes

On completion of this unit the student will be able to:

1. *Examine the relation between personal core values and goal setting.*
2. *Practice organisational skills to establish further independence.*
3. *Identify the practice of proper personal conduct and communication within different communities.*
4. *Evaluate the engagement in a community work experience.*

CDKSK-304-1925: Science

Unit level (MQF/EQF): 3

Credits: 4

Delivery Mode: Face to Face

Total Learning Hours: 100

Unit Description

In this Level 3 key skill, learners will increase their awareness about the importance of science in our everyday life. The focus will be on natural sciences, mainly the three different areas; the living world, the physical world and the world of technology.

The focus of the living world will be on interactions between living organisms in a given environment, the dependence of animals on plants for their survival via food chains and food webs, and human life. Topics related with human life will include the position of the main body organs, anatomy and physiology of at least two organ systems, and physical health (importance of healthy food, clean water and unpolluted air; importance of balanced diet and regular exercise for physical and emotional well-being; adverse effects of drugs, alcohol and smoking; ways to avoid contamination of bacteria and viruses; role of white blood cells and misuse of antibiotics).

As part of the physical world, the learner will be more familiar with physical properties of materials, classifying objects and materials based on their physical properties, and linking the uses of objects and materials with their physical properties. Furthermore, they will enhance their knowledge on renewable and non-renewable sources of energy, using sources of energy in the immediate environment safely and economically, and energy-saving measures that can be applied at home and at work.

Related with the world of technology, the learners will discuss health and safety issues at home and in the workplace including recognising situations of risk and ways how one can avoid accidents. Also, the learners will familiarise themselves with issues related to costs and efficiency of everyday life processes by carrying out an analysis of a particular process or task in terms of energy and efficiency.

Learners will enhance their investigative skills via a project (which includes a site visit designed specifically for different institutes) in collaboration with BirdLife Malta. During a training session, lecturers will be given teaching resources and suggestions for sites to deliver the field teaching aspect and project themes. Via this learning outcome, the learner will be empowered to take action to develop a project that addresses an environmental issue. S/he will have to analyse the data, interpret and evaluate findings and then communicate them to their colleagues. The learner should realise that everyone can do something which will make a difference and that action can take place

not only at the personal level but also at other levels such as community, national and international levels. Learners should understand ecosystem services and recognise that they can be used in all careers to save time, money, resources etc. but that they need to be respected for this to be possible.

Learning Outcomes

On completion of this unit the student will be able to:

1. *Observe and classify objects in the immediate environment*
2. *Link scientific knowledge with everyday life situations*
3. *Research local environmental issues and use problem solving skills to investigate sustainable solutions*
4. *Use scientific knowledge to improve everyday life*