PURE MINDS ACADEMY

NCFE Teacher Training Programs

International Schools - 2025

About Pure Minds

Transforming Lives Through Innovation and Skills

Since 2015, Pure Minds Academy has empowered children as young as 4 with the skills and knowledge to become tomorrow's innovators and leaders. Through our STEM and life skills programs, we foster curiosity and exploration, preparing students for a bright future.

We offer a wide range of programs, including after-school sessions, Saturday classes, and our popular Winter, Spring, and Summer Camps, educating over 5,000 young minds across the GCC region.

Our partnerships with leading corporations and organizations like NEXA, Noon, GEMS Education, and Delta Skills Academy allow us to provide unparalleled opportunities, connecting classroom learning with real-world applications.

We proudly offer NCFE-accredited courses for students aged 10 to 17, providing industry-recognized qualifications in Python programming, Unreal Engine, and more, ensuring our students gain a competitive edge.

At Pure Minds Academy, we are dedicated to nurturing the potential within every child, guiding them to become the problem-solvers and leaders the world needs.

NCFE: Overview

What is NCFE?

NCFE (Northern Council for Further Education) is a UK-based educational charity that provides a wide range of nationally recognized qualifications and accreditation services. NCFE Accreditation ensures that educational programs meet rigorous standards, offering students a credible and valuable learning experience, particularly in specialized courses for high school students.

NCFE Accreditation ensures high school students receive quality education in specialized courses, validating their knowledge and skills. This accreditation enhances college and career prospects, instilling confidence in both students and institutions. It signifies a commitment to academic excellence, preparing students for future success in their chosen fields.

Our computer games design programming course offers a comprehensive qualification with three levels of achievement. Each level typically takes one academic term (i.e. 30 Hours of active learning) to complete and includes the following.

- **Level 1 Award**
- **Level 2 Certificate**
- **Level 3 Diploma**

Benefits for Schools

Offering NCFE Programmes to Students

- **Globally Recognised Certification**
  Boosts the school's reputation as a provider of high-quality, future-focused education.
- **Increased Enrollment Appeal**
  Offers a unique selling point for the school, distinguishing it from competitors in the market, attracting tech-savvy students and parents.
- **Enhanced School Branding**
  Strengthens parent trust and satisfaction with the school's innovative educational initiatives.
- **Flexible Integration**
  Teachers can adapt the program to align with the school's specific educational goals.
- **Teacher Empowerment**
  Teachers gain advanced training in cutting-edge tools like Python programming, Unreal Engine, Photoshop enhancing teacher skill sets, promoting professional growth and sustainability in delivering modern STEM education.

Benefits for Students

Helping Students to Stand Out

- **Comprehensive Skill Development**
  Students gain diverse, in-demand skills across programming, game design, and creative media, preparing them for a wide range of future careers.

- **Industry-Relevant Qualifications**
  Certifications in Python, Unreal Engine, and Digital Media & Design align with global industry standards, ensuring students are career-ready.

- **Future-Proof Education**
  Courses prepare students for emerging fields such as AI, gaming, and digital content creation, supporting innovation and technology-driven economies.

- **Enhanced Employability and University Readiness**
  Recognized certifications provide a competitive edge in university admissions and job applications, showcasing technical proficiency.

- **Globally Recognised Qualifications**
  NCFE accreditation offers internationally recognized qualifications, elevating the school’s reputation and appeal to parents and students.

NCFE Accredited Courses

NCFE Courses

01	Game Design with Programming	• Fundamental to advanced concepts of Python Programming • Object-Oriented Programming
02	3D Game Design	• Design games on Unreal Engine • Blueprint Scripting • Character Creation
03	Digital Media and Design	• Digital Illustration • Video Editing • Motion Graphics

University-level Education with Accredited Qualifications

Courses

Games Design with Programming

Our course is designed to teach coding in a fun & engaging course. Students will learn how to build their own games using Python and PyGame. Starting with the basics, they'll learn game design principles, create interactive gameplay, and develop coding skills through fun projects like 2D platformers and arcade classics.

As they progress, they'll tackle more advanced topics like AI and game optimization. By the end, students will have a portfolio of games and a solid foundation in programming!

- **Python Coding**
- **PyGame Library**
- **Game Logic**
- **Sprite Animation**
- **Collision Detection**
- **Game Physics**
- **AI Programming**
- **User Interface**
- **Audio Programming**
- **Game Optimization**
- **Data Structures**
- **Debugging Skills**

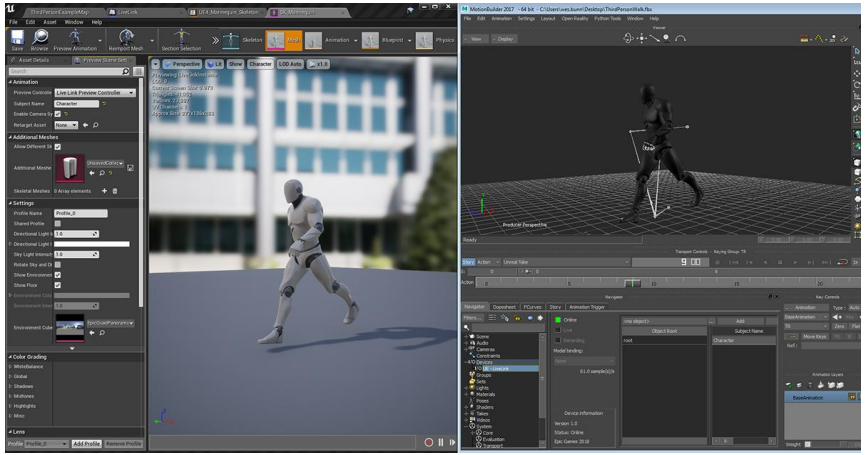
Games Design with Programming

The key concepts covered in this program are:

- Learning the fundamentals of Python, a versatile and beginner-friendly language.
- Utilizing Turtle graphics for creating visuals and animation, introducing the concept of objects.
- Understanding variables, loops, and conditional statements to manage game states and interactions.
- Mastering conditional statements for decision-making in games.
- Developing game logic, incorporating principles of object-oriented programming for code organization and modularity.
- Familiarizing with Pygame, an object-oriented library that simplifies game development.
- Utilizing object-oriented principles to create and manage game objects and animations.
- Capturing user input using object-oriented techniques for game control.
- Implementing object-oriented collision detection and game physics.
- Applying object-oriented principles to create multiple game levels, enhancing gameplay.
- Exploring game design principles and object-oriented programming for an engaging player experience.
- Integrating all concepts and skills to create full-fledged games.

Courses

3D Games Design with Unreal Engine



UNREAL ENGINE

Students learn how to create their own video game using existing game engines like Unreal Engine, the world's most powerful real-time render engine. They'll design creative projects that cover everything from developing their own games and designing characters to scripting game mechanics with blueprints. As they create games, they'll develop problem-solving skills and unleash their creativity, all while building a strong foundation in game development that will help them bring their ideas to life.

- 3D Level Design
- Game Physics
- Artificial Intelligence
- Character Design
- User Interface
- Blueprint Scripting
- 3D Modelling
- Texturing
- Material Design
- Asset Creation
- Concept Design
- Animation

Courses

3D Games Design with Unreal Engine

Our students have the opportunity to work on exciting projects, from designing characters and environments to implementing complex gameplay mechanics. By mastering the Unreal Engine, our students are equipped with the skills and knowledge they need to succeed in the dynamic and rapidly expanding field of game design.

In this course, students will learn technical skills such as

- 3D Level Design
- Game Logic
- Enemies & Hazards
- Visual Scripting
- Character Implementation

With our advanced qualifications, students can achieve their higher education goals while honing their skills to become experts in the field.

Courses

Digital Media & Design

Our Digital Media Design course sparks creativity in students as they explore graphic design, animation, and multimedia using Adobe Creative Suite. Guided by industry-experienced tutors, learners will dive into digital illustration, video editing, and motion graphics, developing professional-grade projects.

With NCFE accreditation, the course offers valuable skills for both creative expression and career growth, making it perfect for aspiring digital artists and designers aged 10 and above.

- Vector Art
- Typography
- Character Design
- Color Theory
- Animation
- UI/UX Design
- Graphic Design
- Digital Illustration
- Motion Graphics
- Video Editing
- Photo Manipulation
- Pixel Art

NCFE Accredited Courses

Course Duration

S.No.	Course	Total Duration
1.	**Game Design using Python Programming**	30 Hours
2.	**3D Games Design using Unreal Engine**	30 Hours
3.	**Digital Media & Design**	30 Hours

ASSESSMENTS:

- Internal by Pure Minds Academy and our UK Partner
- External by NCFE UK before issuing the certificates

NCFE Accredited Courses

Technical Requirements

Hardware Requirements	
Game Design using Python Programming	Any Windows or Mac Laptop with latest OS
3D Games Design using Unreal Engine	At least Windows 10 OS Quad Core Intel or AMD 2.5 GHz processor 8 GB RAM DirectX 11 or 12 compatible Graphics Card
Digital Media and Design	Any Windows or Mac Laptop with latest OS
Other Requirements	
Student Identity Card with DOB	Local ID / Passport (For registration with NCFE, UK)

Training & NCFE Fees

How it works

- As an approved NCFE Satellite Centre, Pure Minds Academy will partner with your school, allowing you to provide NCFE Accredited Qualification Programs to your students.
- To enable this, Pure Minds Academy will provide online, in-person or hybrid training to your teaching staff so that they are equipped to educate students to NCFE standards.
- Once training has been provided, your school can offer this to students as either within your school curriculum or an elective / extra-curricular program.
- NCFE Accreditation Fees will be applicable for students who will submit a final project for evaluation.

Training & NCFE Fees

How it works

Item	Fees (US$)
School Registration (One-off)	$ 1,500
Course Content and LMS access to 5 teachers (Annual Fee) (5 free NCFE student registrations)	$ 1,500
NCFE Training for up to 5 staff members **per NCFE Program** (30 Hours of Training required)	
Onsite (In-Dubai) (5 consecutive days)	$ 3,950
Onsite (Outside Dubai) (5 consecutive days)	$ 7,750
Online Only (Call-Based Training with LMS Access)	$ 2,250
Hybrid (22-hour online with one day 8-hour in-person)	$ 4,550
Per Student NCFE Registration Fee (includes student registration, assessment and certification fees **per Level**)	$155

Training & NCFE Fees

Next Steps

If your school is interested in offering NCFE programmes to your students, here are the next steps:

- Complete the Pure Minds NCFE Application Form
- Book a meeting with our Head of Academy
- Confirm the training schedule
- Complete initial registration process and fee payment

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Thank You