STEM Learning

LearningTech Program

Practical Learning Sessions (PLS)

NSE Learning Team
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Practical Learning Session (PLS)

Welcome to the PLS

An outline of our 5 weeks PLS

Session I
- Welcoming & Registration
- Introduction to PLS
- Learning Support Materials
- Work through Session I projects

Session II
- Work through Session II projects
- Learning Support Materials
- Revision for First Assessment

Session III
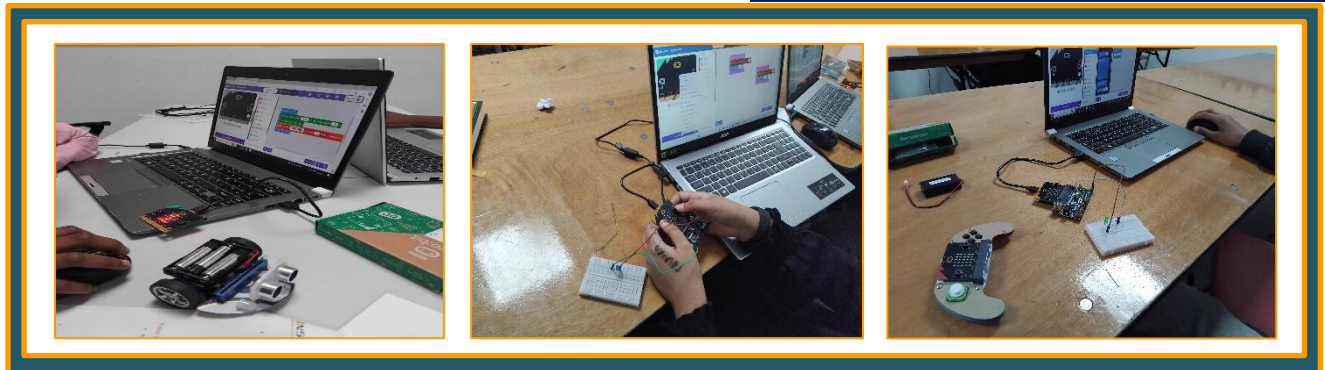- First Assessment
  Work Through Session III projects

Session IV
Work through Session IV projects

Learning Support Materials

Revision for First Assessment
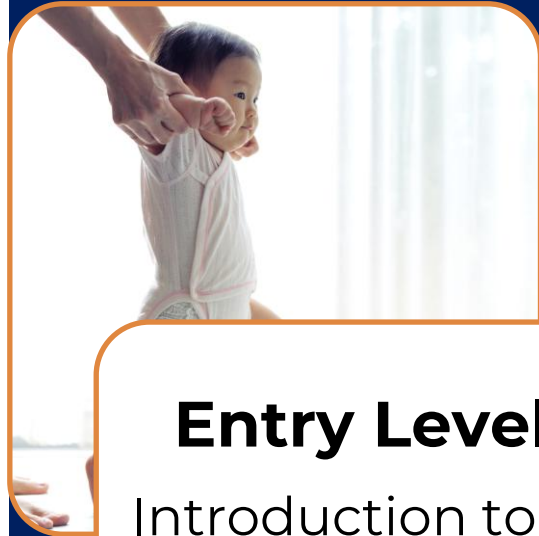
Session V
Second Assessment

Feedback and PLS Evaluation

Example : Coding & Testing

NSE NewStar Enterprise

Entry Level
Introduction to the topics and building practical experience

Intermediate
Practice more and be aware of the growth potential and certification

Advance
Preparation to obtain industry-based certification

✓ **Programming**

✓ **Computer System**

✓ **Digital Skills**

And many more depends on demands

Programming

Entry Level: Coding & Testing an entry level to learning the basic of Programming in fun and informative learning environment using Makecode editor.

Intermediate Level: More learning and practice of either
- Phyton or JavaScript
- Physical Computing using Micro Python

Advance Level: Prepare to obtain *industry-based Certification*
- *Certified Entry -Level Python Programmer (PCEP TM)*
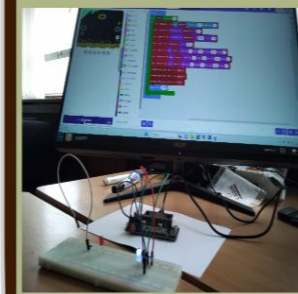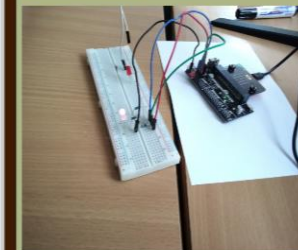- *Certified Associate Python Programmer (PCAP TM)*

Computer System

Entry Level: Computer System is an entry level to learning the basic of Computer System and its application and the different type of Computer system in a fun and informative learning environment.

Intermediate Level: More learning and practice of
- Computer troubleshooting
- Computer Network

Advance Level: Prepare to obtain *industry-based Certification*
- *A+ Certification*
- *Network +*

Skills to learn:

o Computational Thinking,

o Familiar with installation and configuration hard and software

o Familiar with IT Network infrastructure

o Troubleshooting Hardware and Software problem

o Collaboration,

o Creative thinking

Digital Skills

Entry Level: Animation an entry level to learning the basic of animation and its application and the different tools used to create animation in a fun and informative learning environment using either *Wickeditor* or *Adobe Animate*.

Intermediate Level: More learning and practice of either
• Exploring the different application for animation
• Creating Interactive Animation

Advance Level: Prepare to obtain *industry-based Certification*
• ***Adobe Certified Professional in Multiplatform Animation Using Adobe Animate***

Skills to learn:

o Drawing,

o Creating animation

o Using JavaScript to create interactive animation

o To publish and export animation

o Collaboration,

o Creative thinking

Digital Skills

Entry Level: Graphic Design an entry level to learning the basic of Graphic Design and its application and the different tools used to digital design in a fun and informative learning environment using either *Inkscape* or *Adobe Photoshop*.

Intermediate Level: More learning and practice of

- Exploring the different application for Graphic Design
- Designing different marketing material

Advance Level: Prepare to obtain <u>*industry-based Certification*</u>

- ***Adobe Certified Professional in Visual Design Using Adobe Photoshop***

Skills to learn:

o Drawing,

o Creating artefact

o Designing marketing materials

o Being familiar with the different printing medium

o To produce a printout of your artefact and design

o Collaboration,

o Creative thinking

To register scan the QR Code in the poster

Check our learners' **Testimonial**

For further information please contact

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STEM Learning
LearningTech Program

Practical Learning Sessions (PLS) are a series of learning sessions for different topics, such as **Coding & Testing), Animation, Graphic Design, Computer system, Programming (Python),** and many more based on demand

in Partnership with
EMCA

Core Skills to learn:
o *Problem solving,*
o *Coding, Testing,*
o *Basic Electronics*
o *Drawing & Designing*
o *Troubleshooting*
o *Computational Thinking,*
o *Collaboration,*
o *Creative thinking*

2025 PLS
There will be continuous 5 weeks PLS every **Saturday**, starting on **11/1/2025**

Scan the QR Code to Register

For further information please contact EMCA Admin Team
Email: info@emca.org.uk,   Tel: +44 (0)20 7720 2508