

Kids Stage 1 – Fundamental Computing

Course Syllabus – Official Document for Regional Training Centres

1. Course Information

Field	Details
Course Name	Kids Stage 1 - Fundamental Computing
Target Group	Primary school students (Ages 7-11)
Course Duration	24 weeks (2 hours per week) - Total 48 hours (06 months)
Prerequisites	None; for entry-level students
Max Class Size	15 students (Not more than 2 students per computer)
Medium of Instruction	Sinhala / English
Certification Level	Certificate of Completion for Kids Stage 1

2. Course Objectives

- Provide basic knowledge of computer hardware and software.
- Practice hands-on operation of the computer Operating System (OS).
- Develop direct practical skills (Paint, Typing, Presentation).
- Provide basic understanding of the Internet and cyber security.
- Develop safe and responsible digital habits.

3. Learning Outcomes

Upon completion of the course, a student should be able to:

- Identify the basic components of a computer and explain their functions.
- Independently use the mouse, keyboard, and system settings.
- Create a simple design using MS Paint.
- Use the Internet and e-mail safely under instructor supervision.
- Explain health and safety practices to be followed when using a computer.

4. Module Breakdown

Mod.	Topic	Hours	Learning Objectives	Activities	Required Resources
1	Introduction to Computers	4	Describe what a machine is; Identify benefits of computers in daily life	Discussion, Image recognition, Group activity	Projector/ Picture cards
2	Hardware & Software	8	Categorize Input, Output, Storage devices; Explain the difference between hardware and software	Labeling devices, Practical identification of computer parts	Complete computer unit, Device samples
3	Mouse & Keyboard	6	Adjusting for comfort; Changing date and time	Step-by-step practical exercises	Student computers (1:1 or 1:2)
4	Creative Design (MS Paint)	10	Using basic design tools; Creating and saving a simple drawing	Guided drawing exercises, Free design activity	Computers with MS Paint
5	Internet & E-mail	8	Basic understanding of WWW and search engines; Sending an e-mail safely	Safe browsing exercises, Sending messages via e-mail account (under supervision)	Internet connection, School e-mail accounts
6	Health & Safety	6	Basic knowledge of computer viruses; Following correct physical posture when using a computer	Discussion, Case studies, Poster activity	Educational videos / Posters
7	Final Review & Project	6	Integrating learned skills; Preparing and presenting a simple presentation	Project preparation, Group presentations	MS Paint/ PowerPoint, Projector

Note: Total course duration is 48 hours (24 weeks x 2 hours/week = 06 months). Hours can be redistributed between modules based on centre requirements.

5. Assessment Strategy

The following evaluation methods are conducted internally within the Regional Training Centre. Final certification is granted through a separate theoretical and practical examination conducted by Fusion Education Campus (see passing criteria below).

Assessment Method	Description	Weight (%)
Practical Tests	Practical examination of software/skills used after every module	40%
Weekly Assignments	Short activities done at home or in the classroom	20%
Final Project	A simple presentation combining what was learned	30%
Class Participation	Attendance and active participation	10%
Total		100%

Certification Criteria:

- Obtain a minimum of 50% for overall marks.
- Maintain at least 80% class attendance.
- Completion and presentation of the final project is mandatory.
- Passing the final theoretical and practical certification examination conducted by Fusion Education Campus is mandatory.

The above module-level assessments (practical tests, weekly assignments, class participation) are conducted internally within the Regional Training Centre. However, final certification is issued based on a theoretical and practical examination conducted by Fusion Education Campus. Students who fulfill these criteria and pass the Fusion Education Campus examination will be issued the official "Kids Stage 1 – Fundamental Computing" certificate through the regional centre.

6. Required Resources and Facilities

6.1 Hardware

- Functional computers at a 1:1 or 2:1 ratio.
- Projector or large screen for teaching.
- Stable Internet connection (for Module 5).

6.2 Software

- Windows OS, MS Paint.
- Secure/child-friendly web browser and content filter.

6.3 Teaching Materials

- Instructor guide, student manual, practical exercise sheets.

7. Instructor Requirements

- Minimum Higher Education (A/L) or Diploma qualification in IT or a related subject.
- Basic understanding of child education or children's needs.
- It is preferred that the instructor has completed basic training in Child Protection.

8. Course Policies

- Every child must pre-register for all sessions; absences must be reported to the student's guardian.
- Students must always use computers under the supervision of an adult instructor.
- All Internet access must be limited to pre-approved, child-safe websites.
- All regional centres must follow this curriculum and assessment standards uniformly.