**STEM Learning Grant – Project Plan**

|  |
| --- |
| **School Name:**  |
| **Roll Number:**  |
| **Project Rationale:**Within the modern learning environment, we would like to offer our students the opportunity to explore “Coding”, “Information Communication Technology” (ICT) and “Computer Science” and/or further enhance learning within these said areas.  |
| **Objectives:** 1. To introduce students to “Coding”, “ICT” and “Computer Science” in a progressive age-appropriate manner. These lessons have STEM-related areas are incorporated where possible.

**Coding Lessons include:*** 2nd to 6th Class Coding Lessons – (12 to 18 Lessons for each class)
* Lessons are Linked to STEM+A topics.

**Cover Topics such as:*** Programming in Scratch
* HTML/CSS Website design
* Python Programming
1. To also provide Cyber Safety Lessons for Students, Teachers, and Parents, thus ensuring everyone understands their responsibility and remains safe while online.

**Cyber Safety Lessons Include:*** 2nd to 6th Class Cyber Safety – (8 Age-Appropriate Lessons for each class)
* Parents Cyber Safety
* Teacher Cyber Safety CPD

**Which Cover Topics such as:*** Irish Law
* Digital Stranger Danger
* Digital Footprint
* Cyber Bullying
* Big Data
* And more…
 |
| **Outcomes:** Students gain a core ICT competency and will be comfortable with Coding or via Scratch, HTML and Python. * Works on Problem-Solving Skills.
* Develops Logical/ Critical Thinking Skills.
* Improves Planning Skills.

Students have a core Cyber Safety and Digital Citizenship competency and will understand how to navigate their digital world safely. The Cyber Safety Resources include a printable “My CyberSchool Journal” which accompanies the lessons to provide parent interaction and encourage more open discussion at home on the topics discussed in class. Creative class activities for each Cyber Safety topic are also included in the resources. |
| **Project Management team:**  (School) ICT Co-Ordinator  |
| **Target Learner Group:** 2nd to 6th Class Students  |
| **Project detail, including spend:** These lessons are pre-recorded online lesson which can be scheduled to fit into the school’s curriculum. * All programmes are online digital lessons.
* Teachers need no experience in these areas.
* We use teacher friendly pause & play system.
* CyberSchool Digital Tutor Teaches, The School’s Teacher Facilitates the Learning!

**Coding Lessons:**These can be scheduled, at times that the school sees fit, as part of the schools Science, Technology & Engineering hours. (12 Lessons for 2nd Class and 18 lessons each for 3rd to 6th Class. Each Lesson is approx. 40 – 60 minutes)**Cyber Safety Lessons:**These can be scheduled as part of the schools Wellbeing hours. (8 x 30–40-minute lessons for each 2nd to 6th Class)Lessons can be accessed at any time during the Academic Year and can be reused as many times as required by the school during the academic year. If a Cyber Safety issue arises just replay that module and reinforce the learning objectives. Certification is provided on completion of each course.**(Choose the one appropriate for your school size and delete the rest.)****We have provided the following options:** * + 1. Coding & ICT Only
		2. Cyber Safety Only
		3. Combined Package of Coding & Cyber Safety
		4. A Teacher CPD is also available.

|  |
| --- |
| **Coding Programme Costing Table** |
| **School Category** | **Student Number 2nd to 6th Class Combined** | **Price** |
| A | 0 - 50 | €199 |
| B | 51 - 99 | €299 |
| C | 100 - 249 | €399 |
| D | 250 - 400 | €499 |
| E | 400+ | €599 |
|   |   |   |
| **Cyber Safety Programme Costing Table** |
| **School Category** | **Student Number 2nd to 6th Class Combined** |  **Price** |
| A | 0 - 50 | €199 |
| B | 51 - 99 | €299 |
| C | 100 - 249 | €399 |
| D | 250 - 400 | €499 |
| E | 400+ | €599 |
|   |   |   |
| **Combined Package Costing Table** |
| **School Category** | **Student Number 2nd to 6th Class Combined** | **Price** |
| A | 0 - 50 | €350 |
| B | 51 - 99 | €499 |
| C | 100 - 249 | €599 |
| D | 250 - 400 | €699 |
| E | 400+ | €799 |
|  |  |  |
|   | **Teacher CPD** | **Price** |
|  | Live Teacher Coding and Computer Science CPD | €600 |

 |
| **Resources Required:**1. Internet Access
2. Hardware
	* Teacher Laptop
	* Smart Screen / Board
	* Students Laptop or Chromebooks (Not Required for Cyber Safety Lessons)
3. Software (Scratch, HTML Editor, Python Editor) These programs are all free to download or access online. Links, resources and step by step “How To” documentation are provided within the CyberSchool.ie welcome pack.
4. Subscription to CyberSchool.ie Learning Portal.
	* (Email info@cyberschool.ie to get instructions for purchase and access.)
 |
| **Additional Information:**Our goal is to have this “Coding”, “ICT”, “Computer Science” and “Cyber Safety” programme embedded within our curriculum. Therefore, allowing students to progress with their STEM+A and Cyber Safety learning annually. Our Goal with the Cyber Safety is to ensure Parents take more responsibility for their children’s online activities by providing a Parent CPD which can be completed in the comfort of their own home on any internet connected device at their own pace. The school can request reporting of Parent Participation from CyberSchool.ie’s support team. |