**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. We also want to ensure our 1st to 4th Year Post Primary students are provided with Cyber Safety & Digital Citizenship to ensure their online safety.**1st to 3rd Year Students** will receive Teacher Lead Classes to ensure students are comfortable and fully understand the topics discussed.**Transition Year Students** will complete Self Directed Learning to align with the Department of Education’s TY Learning Objectives: * Engage in independent, self-directed learning.
* Develop general, technical and academic skills.
* Mature and develop without the pressure of an examination.

Group and/or individual activity resources are provided, which are designed to encourage creativity and critical thinking!Our goal is to expose our Transition Year students to modern, topical subjects that will aid career and college course selection. |

|  |
| --- |
| **Objectives:** 1. To introduce our students to “Coding”, “ICT” and “Computer Science” in a progressive age-appropriate manner. These lessons have STEM-related areas incorporated where possible.

**1st to 3rd Year Coding Lessons include:**These programmes are designed to introduce your first to third-year students to the exciting world of computing and coding.* Teachers require no previous coding experience.
* Teachers Simply Press Play & Pause with On-Screen Delivery by An Expert Tutor
	1. 6x Scratch Lesson – Recommended 1st Year
	2. 6x HTML Lesson – Recommended 2nd Year
	3. 6x Python Lesson – Recommended 3rd Year
* Certification is provided on completion of each course.

**Transition Year Coding & Computer Science Lesson Options:*** An Introduction to Computer Science and Coding (6 modules at 40 mins)
* Create your own website with HTML/CSS (6 modules at 40 mins)
* Python – Real-World Programming (6 modules at 40 mins)
* New! ChatGPT: Mastering AI for Professional Growth (4 modules at 60 mins)
* Certification is provided on completion of each course.
1. We also wish to provide Cyber Safety Lessons for Students, Teachers, and Parents, thus ensuring everyone understands their responsibility and remains safe while online.

**Cyber Safety Lessons Include:*** 1st to 3rd Year Cyber Safety – (8 Pre-recorded - Teacher lead lessons for each Year Group)
* Parents Cyber Safety Course (Schools can request a Parent Participant report from CyberSchool.ie)
* 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 creative class activities for each Cyber Safety topic and are designed to encourage students to research each topic to gain a better understanding of the positives and negatives of their online world so they are better able to manage their well-being. |
| **Project Management team:**  (School) ICT Co-Ordinator  |
| **Target Learner Group:** 1st to 4th Year Students  |
| **Project detail, including spend:**These lessons are pre-recorded online lessons 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 a teacher-friendly pause & play system.
* A CyberSchool Digital Tutor Teaches, The School’s Teacher Facilitates the Learning!

**Coding Lessons:**These can be scheduled, at times that the school deems appropriate. These lessons will seamlessly slot into Computer Classes. Each lesson is approximately 40 minutes but the teacher can adjust the lesson times to accommodate diverse learning groups. **Cyber Safety Lessons:*** These can be scheduled as part of the school's Wellbeing hours. (8 x 40-minute lessons for each 1st to 4th Year 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.

**(Choose the appropriate programmes for your school and delete the rest.)****We have provided the following options:**

|  |  |
| --- | --- |
| **Secondary Programme Packages**  | **Price** |
| First-Year Package - Cyber Safety & HTML | €600.00 |
|  Cyber Safety - 1st, 2nd & 3rd Year - Parent and Staff | €800.00 |
| Coding Package - 1st, 2nd & 3rd Year - Scratch, HTML & Python | €1,000.00 |
| Savings Package - Full School Cyber Safety & Coding 1st to 3rd Year | €1,300.00 |
| **Individual Year Courses** |   |
|  Introduction to Computer Science and Coding via Scratch - 1st to 3rd Year  | €500.00 |
|  HTML/CSS - Building Your First Web Page - 1st to 3rd Year  | €500.00 |
| Individual - PYTHON - Real-World Programming - 1st to 3rd Year  | €500.00 |
| **Teacher CPD** |   |
| Teacher Coding and Computer Science CPD **(Live)** | €600.00 |
|  |  |
| **Transition Year Programmes** | **Price (Per Student)** |
| Digital Citizenship & Cyber Safety | €10.00 |
| Introduction to Computer Science and Coding via Scratch | €10.00 |
| HTML/CSS - Building Your First Web Page | €10.00 |
| PYTHON - Real-World Programming  | €10.00 |
| New! Understanding AI - ChatGPT – Resume Creation – LinkedIn | €10.00 |
| **Combined Programme Packages Discount Offer** |   |
| Cyber Safety + 1 Other Course | €15.00 |
| TY Coding Bundle - Any 3  | €20.00 |
| TY Savings Package - All 5  | €25.00 |

 |
| **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 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. |