Subject Action Plan: 2022-2023

SUBJECT ACTION PLAN		
Subject: Computing	**Subject lead: Fiona Taylor**	**Year:** 2022-2023

CONTEXT

Fiona Taylor is the subject lead for 2022-2023. Nick Hawke is the computing representative from the governing body and meetings are held termly to discuss computing provision within the school.

Recent Challenges: *The introduction of a new computing programme in school to support the delivery of The National Curriculum (January 2022)– Teach Computing and, in addition, two new programmes to support the teaching of Internet Safety based on the document Education in a Connected World*

Internet Legends and Project Evolve

The member of staff that attended the training sessions for the delivery of Teach Computing units and was delivering the lessons in KS2 left at the beginning of this academic year so the replacement member/s of staff are currently attending the online units to improve their subject knowledge.

The equipment required to deliver some of the physical computing units will need to be purchased or hired.

Some of the hardware in school will need to be updated to operate some of the programmes that are currently in use.

SUBJECT PRIORITY 1: LEGISLATION AND GUIDANCE							
Member of staff with overall responsibility: Head teacher – Mrs J Fish							
Objective	**Actions to be taken**	**By whom**	**By when**	**Resources needed**	**Success criteria**	**Monitoring**	**RAG**
Ensure that we are compliant with the relevant policies in place and up to date To be ratified by governors and uploaded onto website	• There are a number of school policies linked to technology: Online safety policy Acceptable use policy Social media policy Computing policy	*Fiona Taylor*	*December 2022*	Release Time	The website is up to date with legislation compliant documentation. Online safety policy Acceptable use policy Social media policy Computing policy are all up to date	*J. Fish* *Head teacher to check* *December 2022* *N Hawke* *Governor to ratify* *November 2022*	
There is a completed Intent, Implementation and Impact document for computing	• This has been completed and uploaded onto the website	*Fiona Taylor*	*September 2022*		These are completed and uploaded onto website		
Reporting any technical problems is a clear and effective process	• Ensure all staff are familiar with the reporting process for technical problems and know when Gemini are in school and how to obtain their services	*All Staff*	*Ongoing*		Technical issues are dealt with in a timely manner that has minimum impact on the delivery of the National Curriculum content. In addition, the computers are efficient to provide enhancement of learning in other areas of the curriculum		

SUBJECT PRIORITY 2: IDENTIFYING AND SUPPORTING AREAS OF NEED							
Objective	**Actions to be taken**	**By whom**	**By when**	**Resources needed**	**Success criteria**	**Monitoring**	**RAG**
Develop staff understanding and skills to deliver the computing curriculum designed by school lead.	Provide ongoing CPD on areas of need and ensure staff delivering the computing, and class teachers, understand the content of the curriculum	*Fiona Taylor to oversee.* *All staff directly involved with teaching the children.*	*Jan 2023*	National College Webinars Teach Computing On line courses Staff meeting time.	Staff have a thorough understanding of the computing knowledge and skills they have been allocated to teach.	*F. Taylor* *J. Fish*	*Red/ Amber Jan 2023*
To continue to develop QF teaching for all children within computing lessons. Consider use of scaffolding as first plan of action, rather than differentiation.	Share strategies sheets with staff for all quality first teaching ideas for the different barriers pupils may have to learning computing. Review training provided in last two years with staff and identify future training needs. Continue to work closely with local computing hub for support	*Fiona Taylor*	*January 2023*	QF teaching booklet.	All staff are better equipped to provide support for SEN pupils in computing lessons	*F. Taylor*	

SUBJECT PRIORITY 3: OPTIMISE USE OF HARDWARE							
Member of staff with overall responsibility: Head teacher – Mrs J Fish							
Objective	**Actions to be taken**	**By whom**	**By when**	**Resources needed**	**Success criteria**	**Monitoring**	**RAG**
•Ensure school hardware is timetabled appropriately and being used regularly and creatively to support discreet computing lessons and cross-curricular work •Check monitoring and filtering arrangements in place and checked regularly for any possible incidents or to make sure any new key phrases are being picked up. Check devices regularly for unrequired photos •Review the list of all the hardware available in school amended to show which items are damaged, broken or missing •Ensure additional equipment required to deliver the Physical Computing units is either purchased of hired in advance of the units being delivered .	•Review the supply of hardware in school and individual classrooms and learning spaces. .•Discuss with Gemini current monitoring and filtering arrangements to keep knowledge up to date •Review and update the directory •Contact local computing hub for hire arrangements OR Redfern electronics to purchase equipment eg Crumbles/Microbits/ Code-a-Pillars for EYFS and Beebots	*Fiona Taylor* *All teaching staff*	*Ongoing* *Ongoing*	Release Time .	Occasions in the school week/term when the demand for hardware exceeds supply are noted and then presented at the meeting to discuss school spending on hardware Filters will be effective and meet the needs of the school Updated list of hardware is produced Staff delivering the units of work have the necessary equipment	*Fiona Taylor*	Ongoing and need to monitor in the new academic year

SUBJECT PRIORITY 4: SOFTWARE/SUBSCRIPTIONS							
Objective	**Actions to be taken**	**By whom**	**By when**	**Resources needed**	**Success criteria**	**Monitoring**	**RAG**
All educational 3rd party software is useful and cost effective. .	•To regularly review subscriptions and usage to make sure it is cost effective •To continue to keep up to date with new programmes so their use can be considered	*Fiona Taylor*	*Ongoing*	Release Time	Subscriptions are regularly reviewed to check the programmes are being utilized and alternative providers are considered and costs compared to ensure best value for money.	*F. Taylor*	

SUBJECT PRIORITY 5: TEACHING AND LEARNING							
Member of staff with overall responsibility: Head teacher – Mrs J Fish							
Objective	**Actions to be taken**	**By whom**	**By when**	**Resources needed**	**Success criteria**	**Monitoring**	**RAG**
The school is covering the NC curriculum for computing successfully. Teachers use a variety of software and multimedia programs to teach IT. Teachers are active in researching new products to enhance the computing curriculum The school teaches "unplugged" lessons to support learning around computational thinking The teaching of essential vocabulary is progressive and explicit in lessons	• Computing curriculum lead to map out an annual timetable to ensure the curriculum is covered. Due to mixed aged classes, careful consideration has to be given to take into account progression whilst avoid duplication of units •Computing curriculum has been designed to vary the software being used. Multimedia strategies such as filmmaking, music technology, animation, game design, book design etc. •Ensure the pupils engage in any "unplugged" computing lessons i.e. teaching computational thinking without using any technology? This kind of active learning strategy is important for some pupils in order to understand fundamental computer science principles •A clear progression of vocabulary is available for all to refer to when delivering the computing curriculum This is to be developed	*Fiona Taylor* All Staff *Fiona Taylor*	*September 2022* *Ongoing* January 2022	Release Time	Computing curriculum coverage is regularly monitored with lesson observations, floor book looks, Seesaw checks and pupil questioning. There is a clear progression of skills and knowledge across the key stages A variety of programmes and apps are used across all ages Monitor the computing lessons to ensure 'unplugged' lessons are taking place. Vocabulary list is available	*Fiona Taylor*	*Amber*

SUBJECT PRIORITY 6: ASSESSMENT STRATEGIES							
Objective	**Actions to be taken**	**By whom**	**By when**	**Resources needed**	**Success criteria**	**Monitoring**	**RAG**
Pupil voice is developed The computing lead is able to successfully monitor pupils' work across the school.	Opportunities to meet with children and discuss computing Consider putting a "Digital Diary" in place for all pupils – a book where they can write some feedback about each lesson that is easy for the computing lead to access. It is very difficult to see what pupils have learned during computing lessons because evidence is dispersed on the network, on different coding software, on tablets and sometimes in books. **Some methods we are currently using:** Use of floor book for each year group so that coverage can be scrutinized Regular review of Seesaw as some evidence may be stored in the children's folders online Supportive lesson drop ins to monitor strengths in teaching and areas where support would be beneficial either hardware provision or additional training	*Fiona Taylor* *All staff directly involved with teaching the children.*	*Ongoing*	. .	Children are able to identify what they have learned in computing. Children are able to say what they like and do not like re computing lessons	*F. Taylor*	



