

# COMPUTING IMPROVEMENT SOLUTION

## AUDIT & SUBJECT LEADER DEVELOPMENT

Example focus of improvement from the audit may include:

- Teacher knowledge and confidence with computer science concepts
- How to teach 'tricky' areas of computing - programming, databases, spreadsheets, datalogging and sensing, physical computing
- Adapting schemes of work to fit your school
- Coaching teachers
- Sequencing knowledge in Units of Work
- Building component knowledge in children's learning

## CPD SESSIONS

- At the heart of the package are CPD sessions ensuring teachers have the essential knowledge and resources to teach their subject
- Aimed at helping teachers become 'subject experts', especially in the trickier areas of the subject
- Planned throughout the year, your subject leader will assign teachers the essential CPD based on the audit findings

## Features

### Staff Audits

- Baseline
- End of project

### Subject Leader Strategy Meetings x 3 (2 hours)

### Subject Leader Check-ins

### Whole School Staff Meeting

### Teacher CPD sessions based on the audit findings

10 CPD sessions (more can be added to the package @£90 per session)

## Overview

Begin with our comprehensive audit baseline for all staff. Covering all aspects of computing from declarative and procedural knowledge to computational thinking and physical computing, managing assessment and evidence.

The end of project audit measures the impact of the year long CPD on teachers.

Meeting at the start of the project, and each of the following terms, to plan actions and ensure targets are on track.

Two subject leader check-ins at the end of each term to ensure targets and actions have been completed with any necessary follow up.

Post audit, introduction to the project for all staff

- Audit Feedback
- Outline key priorities

Targeted support based on the audit, where it is needed.

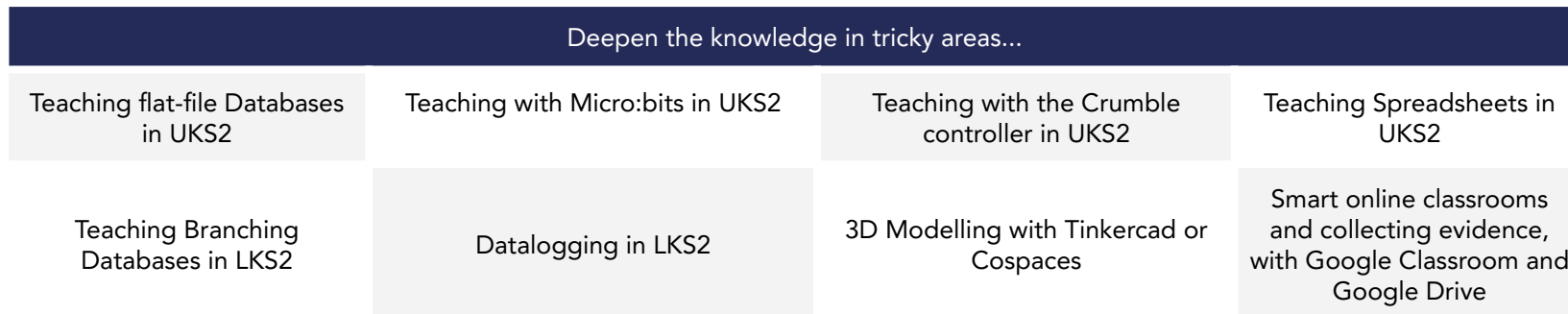
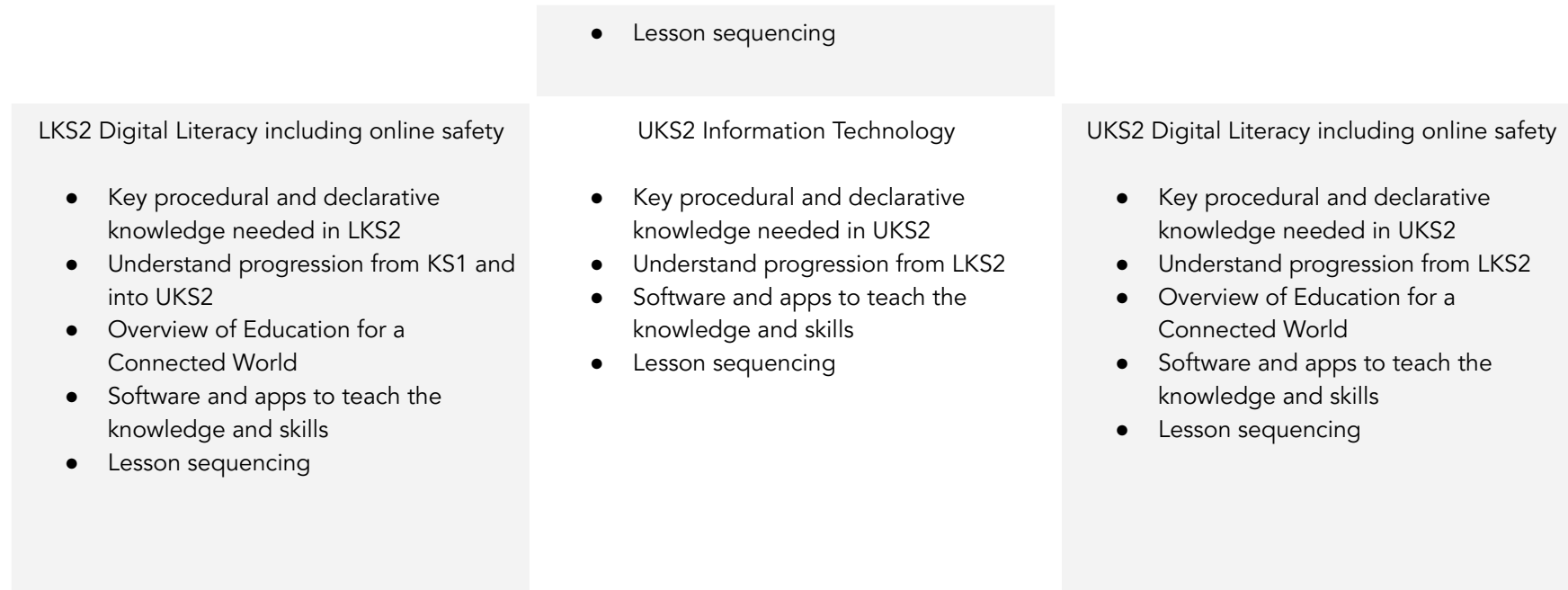
CPD sessions that ensure your teachers have the essential knowledge and skills to teach the subject. Whether it be developing component knowledge, lesson sequencing, understanding key concepts or practical use of software and hardware, these CPD sessions are matched to your audit findings.

(More than one member of staff can attend a CPD session. CPD sessions are 60-90 minutes in length.)

| Features   | Overview  |
|--|---|
| Subject Leader Deep Dive Audit   | Ensure your subject leader is deep dive ready with our deep dive self assessment audits. Detailed support and guidance to prepare for those tricky questions  |
| Subject Leader Checklist and Action Plan                               | Enable your subject leader to plan their year out with our annual planner and use our Action Plan Exemplars to ensure they are on top of their subject.   |
| Subject Leader Resources (HOST)  | Ensure your subject leader is supported with a wealth of resources available, from sample policies to knowledge and skills progression exemplars, pupil voice questions and vocabulary organisers.  |
| Teacher Self Review linked to staff meetings and in-class CPD sessions | Teachers complete a self review form, reflecting how the CPD support has impacted on their own practice throughout the year and deciding next steps.  |
| Access to further hi-impact / HOST CPD webinars, events and courses    | Through the HOST platform, access a wealth of webinars, training and events from STEM Leaders Network to compliance training and much more.   |
| Access to all eleven subject leader toolkits                           | <p>Develop a consistent approach to subject leadership. Access model policies, subject audits, progression and vocabulary organisers, pupil voice questions and more for every subject of the National Curriculum.</p> <p>Over 1200 resources written by subject specialists.</p> |
| Access to a hi-impact Consultant                                       | Have a question, need some guidance? A hi-impact consultant is available from 9 - 4.30 each day through our 'Ask a Consultant' online portal.   |

CPD Sessions include ...

| Essential knowledge series - ideal for teachers new to a year group  |  |  |
|--|--|--|
| <h3>EYFS and Computing</h3> <ul style="list-style-type: none"><li>• Explore how to position technology to support all six areas of learning</li><li>• Ensure that as pupils move through F2 they are prepared for KS1 computing</li><li>• Become familiar with hi-impact's EYFS Units of Work available within the HOST platform</li></ul> | <h3>KS1 Computer Science</h3> <ul style="list-style-type: none"><li>• Make sure your teachers have the essential knowledge and understanding of computer science before they teach their pupils!</li><li>• Teach programming using a variety of different approaches: digital, physical and unplugged</li><li>• Understand algorithms, events, sequences, repeats to solve problems and provide open ended creative coding opportunities</li></ul> | <h3>KS2 Computer Science</h3> <ul style="list-style-type: none"><li>• Make sure your teachers have the essential knowledge and understanding of computer science before they teach their pupils!</li><li>• From forever loops to count controlled loops and from conditional statements to functions and variables</li><li>• Find out what a notional machine is and how to develop computational thinking in their pupils</li></ul> |
| <h3>KS1 Information Technology</h3> <ul style="list-style-type: none"><li>• Key procedural and declarative knowledge needed in KS1</li><li>• Understand progression to LKS2</li><li>• Software and apps to teach the knowledge and skills</li><li>• Lesson sequencing</li></ul>  | <h3>KS1 Digital Literacy including online safety</h3> <ul style="list-style-type: none"><li>• Key procedural and declarative knowledge needed in KS1</li><li>• Understand progression from EYFS</li><li>• Overview of Education for a Connected World</li><li>• Software and apps to teach the knowledge and skills</li></ul>  | <h3>LKS2 Information Technology</h3> <ul style="list-style-type: none"><li>• Key procedural and declarative knowledge needed in LKS2</li><li>• Understand progression from KS1 and into UKS2</li><li>• Software and apps to teach the knowledge and skills</li><li>• Lesson sequencing</li></ul>   |



Smart online classrooms and collecting evidence with Seesaw

Online safety in the KS2 Classroom

Teaching with Micro:bits in LKS2

Physical Computing in KS1

## Develop your creativity

Audio and Music Editing in KS2

Video Editing in UKS2

Web Page Creation in UKS2

Digital Music in KS1

Word Processing and Functional Skills in KS1

Photo Editing in KS1

Animation in LKS2

Desktop Publishing in LKS2

hi-impact provides training and support for teachers who want to incorporate technology into their teaching and create dynamic learning experiences for students. Our team will work with your staff to develop their own CPD and provide new skills and resources to your school.

A customised approach is crucial in education, as factors such as provision, budget, pupil premium, socioeconomic status, and staff confidence make every school unique. Whether working with individual schools, clusters, Multi-Academy Trusts, or entire Education Departments, hi-impact creates a bespoke programme through collaboration. Our approach prioritises maintaining a school's individual identity while maximising the benefits of working with like-minded colleagues.