

# SCIENCE IMPROVEMENT PACKAGE

## AUDIT & SUBJECT LEADER DEVELOPMENT

Example focus of improvement from the audit may include:

- Tools and resources to develop essential knowledge
- progression of learning in Units of Work
- Sc1 investigation skills
- use of technology to support science teaching and learning
- key issues in children's learning
- Science in the Early years

## CPD SESSIONS

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

Features	Overview
<p>Staff Audits</p> <ul style="list-style-type: none"> <li>• Baseline</li> <li>• End of project</li> </ul>	<p>Begin with our comprehensive audit baseline. Covering all aspects of the subject. From subject knowledge to subject specific skills, assessment, evidence and progression in learning.</p> <p>The end of project audit measures the impact of the CPD on teachers.</p>
<p>Subject Leader Strategy Meetings x 3 (2 hr) hours</p>	<p>Meeting at the start of the project and each of the following two terms to plan actions and ensure targets are on track.</p>
<p>Subject Leader Check-ins</p>	<p>Two subject leader check-ins at the end of each term to check targets and actions have been completed with any necessary follow up.</p>
<p>Whole School Staff Meeting</p>	<p>Post audit, introduction to the project for all staff</p> <ul style="list-style-type: none"> <li>• Audit Feedback</li> <li>• Outline key priorities</li> </ul>
<p>2 further school staff INSETs</p>	<p>Following the audit, we work with all staff or smaller groups with our focused INSETs throughout the year.</p>
<p>Teacher CPD sessions based on the audit findings.</p> <p>10 CPD sessions (more can be added to package @£90 per session)</p>	<p>Target support based on the audit where it is needed.</p> <p>CPD sessions to ensure your teachers have the essential knowledge and skills to teach the subject.</p> <p>Whether it be support for a specific key stage, particular unit of work, Sc1 investigation skills, use of technology in science or developing children's knowledge ,these CPD sessions are matched to your audit findings. (More than one member of staff can attend a CPD session)</p>

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 the impact of the CPD support on their own practice over the year and looking at next steps.
Access to further hi-impact / HOST CPD webinars and courses	Through the HOST platform get access to wealth of webinars and events from STEM Leaders Network, compliance 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 much 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

KS1 Working Scientifically and making the most of ICT

KS1 Science: Year 1 Essential Knowledge

- Animal structure and classification
- Senses
- Plants
- Materials
- Seasonal Change

KS1 Science: Year 2 Essential Knowledge

- Living things and their habitats
- Plants
- Animals including humans
- Materials

EYFS and Science

KS2 Science: Working Scientifically and making the most of ICT

KS2 Science: Year 3 Essential knowledge

- Plants
- Animals, including humans
- Rocks
- Light
- Forces and magnets

KS2 Science: Year 4 Essential knowledge

- Living things and their habitats
- Animals, including humans
- States of Matter
- Sound
- Electricity

KS2 Science: Year 5 Essential knowledge

- Properties and changes of materials
- Earth and space
- Forces
- Living things and their habitats
- Human development

KS2 Science: Year 6 Essential knowledge

- Circulation, diet and exercise
- Electricity
- Light
- Evolution and inheritance
- Living things and their habitats

Deepen the knowledge in tricky areas...			
Teaching Evolution and inheritance in Y6	Activities and resources for rocks and soils in lower Y3	Teaching electricity with Potato Clocks Y4 & Y6	Circulatory system inc. Heart Dissection in Y6
Digestive system modelling Y4	States of matter Y4	Forces Y5	Properties and changes of materials Y5

Science and Technology			
Data Logging in KS2 science	Recording and Graphing in KS2	Using technology to record investigations KS1	Branching databases and keys in LKS2 science
Using databases to support science in UKS2		Using technology to record investigations KS1	

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.