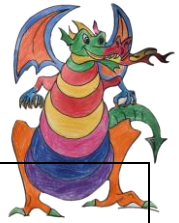
LLANRHIDIAN SCIENCE PLANNER
PYSGODYN 1

At this stage, much of this will be oral and group work. Teachers must use this as a guide to prompt. Not everything must be recorded in a book. Digital methods may be more appropriate (Videos, QR codes, pictures etc.) If using sentence starters as a writing frame, personalise to align with your investigation and your groups of learners. Please remember HAKA.

Link to HAKA	Teacher Guide	Child Prompts	Recording *Optional
Hook - This must excite and inspire the learners. Must engage their interest and drive them to want to learn more! Must make question explicit.	**Could use dramatic video, multisensory activity, practical, hands on session, a letter to class etc and has a wow factor! (Always use outdoors if possible)** **Involve children in formulating a question to investigate from the start!**	**What do you know about this?** **What questions does this make you think of?** **What could we try and find out?**	**<u>Question for Investigation</u>** **(could be refined later)**
Authentic - use materials exposing pupils to high quality text, objects and information from the real world, making their learning relevant beyond the school gates.	**Question pupils to draw out key information which will support the investigation. Must focus on key words that will be the focus for research.**	**What are the important bits of this? What does this tell us?** **What words are unfamiliar?** **What do we need to find out more about?**	**Collaborative document (Either on IT/Board/A3)**
Knowledge - Through both teaching and opportunities for research, ensure learners acquire the knowledge and concepts they need to move their learning forward. This must be targeted from the authentic information and to	**This must be collaborative eg. Collate facts on a class board, or a digital collaborative document. Children can read facts from others not to repeat. (Not copying facts into books) Utilise FLIP learning.**	**What other facts can you find out?** **What important words did we hear in the video/read in the book?** **Where else could you find information?** **Why will this information help you?**	**<u>Research</u>** **I have found out ……..** **I have learnt……**



Support the investigation or question.		**Explain this information with a friend...**	
Application - provide the learners with opportunities to apply their knowledge and understanding through planning their investigation, keeping all pupils in their challenge zone. Children should be working collaboratively.	**Planning: What are the instructions for our investigation? How will we make this a fair test? What will you need to keep the same?** **Prediction: Why do you think that?** **Diagram: Can you label all the important parts? Have you included all the equipment?** **Results: How can you record your results?** **Conclusion: What did you notice about the results ? What does this tell us?** **Reflecting: What worked well?** **What didn't work well? Why?** **If you did this again, what would make it better?**		**Planning** I will need **I will change** **I will keep …..the same** **I will measure** **Prediction** I think ….. **Diagram** **Results** Table and graph **Conclusion** I found out that… **Reflecting** What did/did not work

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Appropriate Vocabulary and Terminology

Evidence
Information
Ideas
Findings
Record
Enquiries
Observations
Sort
Group
Compare
Differences
Describe
Construct