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REDEVELOPMENT OF SCIENCE CURRICULUM

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Background

- Year 6 teacher at Benedict Biscop CE Academy
- STEM Lead
- Maths Lead

Redevelopment is a journey

- Key to a curriculum redevelopment is knowing that:
 - *It is a journey*
 - *Not going to happen overnight*
 - *It is team effort*

Vision

- What do you want to see for Science?
- What does outstanding Science look like?
- What do you want the children to be saying about it?



Understanding the current position

- Knowing what exactly is happening within the Science is essential.
- *Learning walks*
- *Questionnaires*
- *Planning and work scrutinies*
- *Pupil Voice*

Whole School Review

- Is what your doing, at the moment, fit for purpose?
- Does it meet the end of Key Stage expectations?
- Is the **progression** clear throughout the school?

Whole School Review

- How does your Science curriculum ensure pupils develop conceptual understanding and science skills?
- Is the curriculum flexible enough to encourage children to ask lots of questions and investigate?
- How is assessment incorporated into planning?
- Does it make science seem relevant to the children attending your school?

Vision vs Reality

- Barriers
- Understanding of the subject
- Confidence



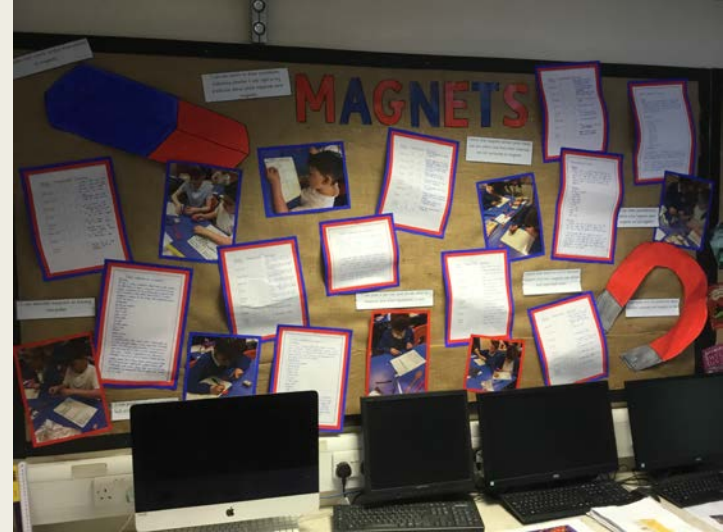
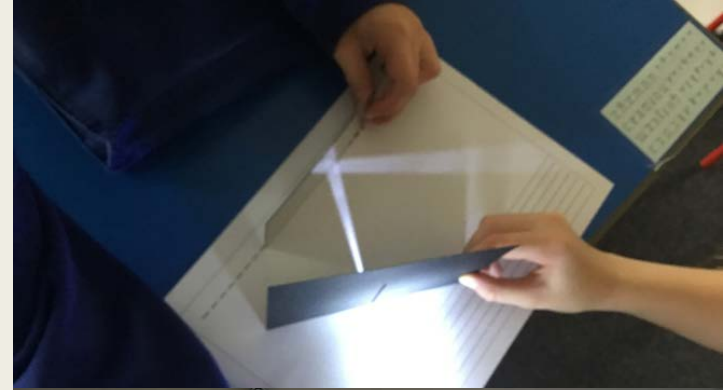
External Support?

- Specialists in developing Science within a primary school setting.
- Continuous- remember it is a journey and one CPD session does not redevelop the curriculum.



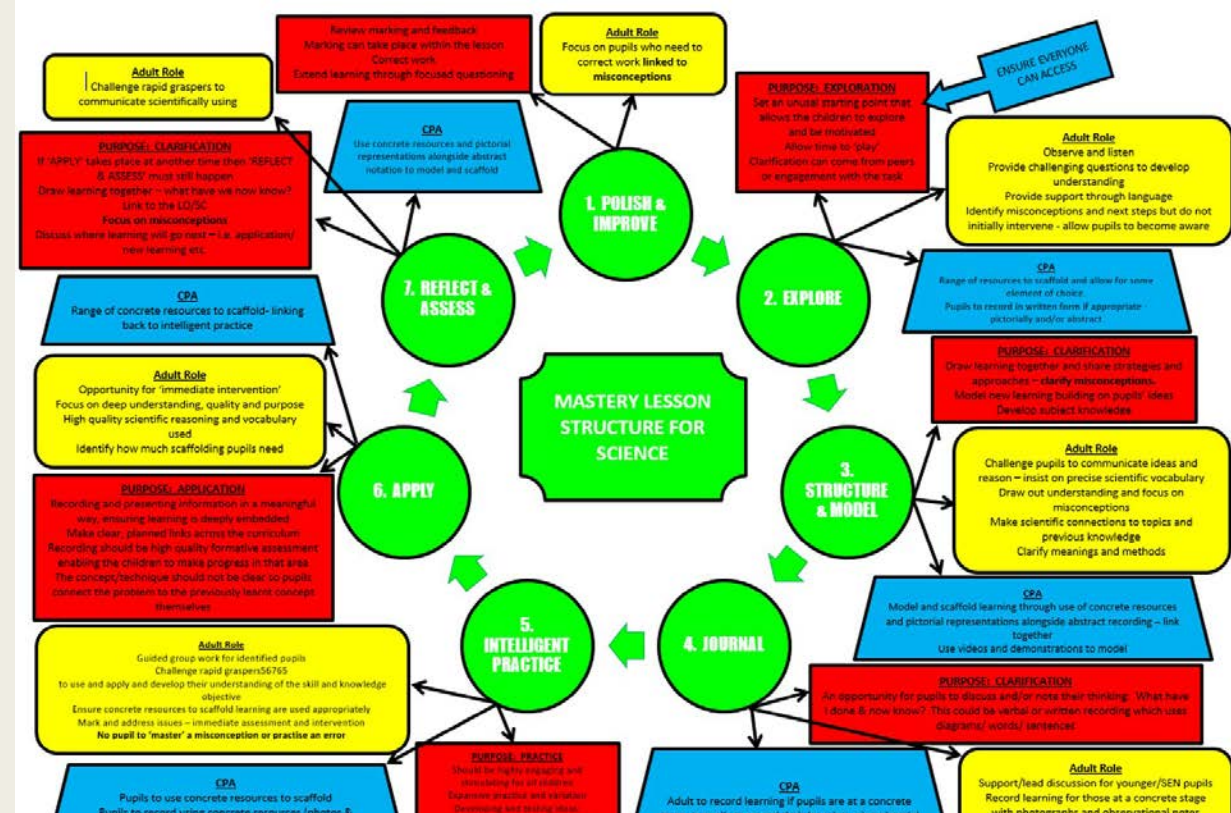
Vision

- What do you intend Science to be like?
- ‘strong understanding of the world around them whilst acquiring specific skills and knowledge to help them to think scientifically’
- ‘scientific enquiry skills are embedded in each topic the children study and these topics are revisited and developed throughout their time at school’
- ‘specialist vocabulary for topics is taught and built up’
- ‘concepts taught should be reinforced by focusing on the key features of scientific enquiry’



Implementation

- Time Scales
- Built the development bit by bit
- Continuous support, modelling and CPD.



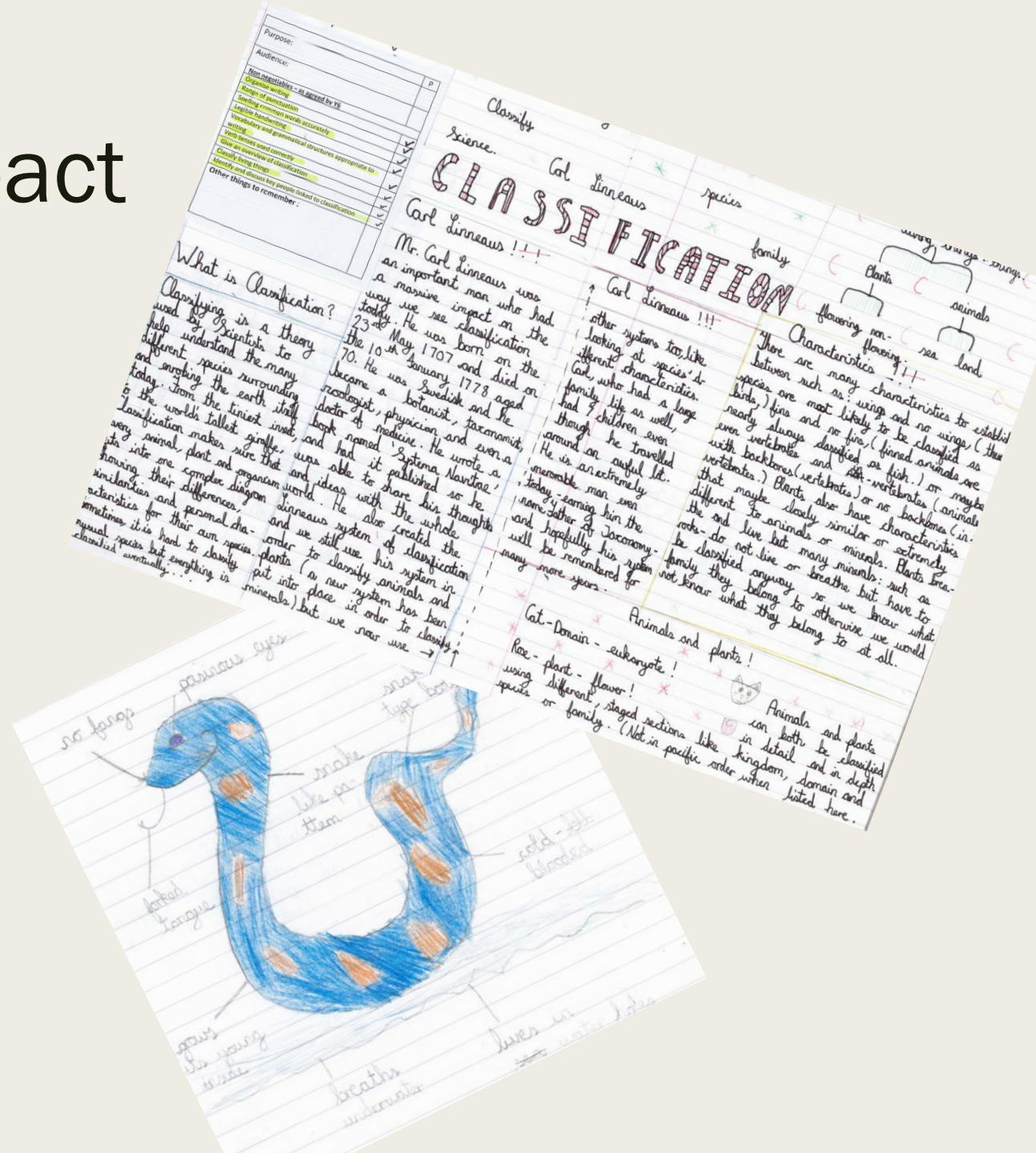
Benedict Biscop CE Academy- Science

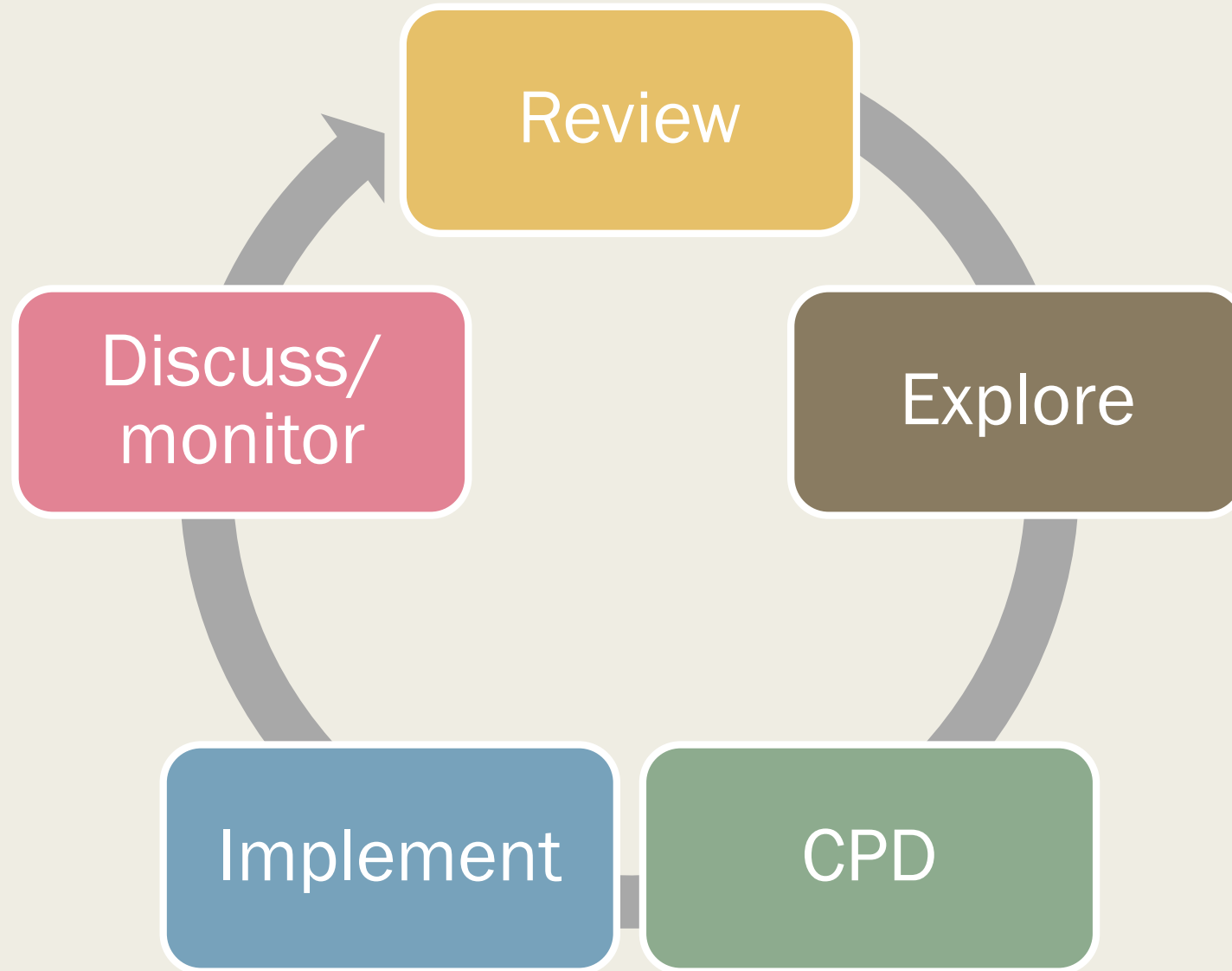
Teacher: Year Group: Topic:

Lesson	Objectives	Lesson Activities	Resources needed
	<ul style="list-style-type: none"> -Learning objective -Key skills and unit learning objectives -Working scientifically skills 	Introduction, key questions, scientific vocabulary, activities/ investigation, plenary/ reflection	Science equipment, photographs, concept cartoons
		Assessment focus:	

Monitoring and Impact

- Standards and attainment
- Impact on staff
- Impact on children
- Is the intent being met?







QUESTIONS

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