

# Innovative school and curriculum design

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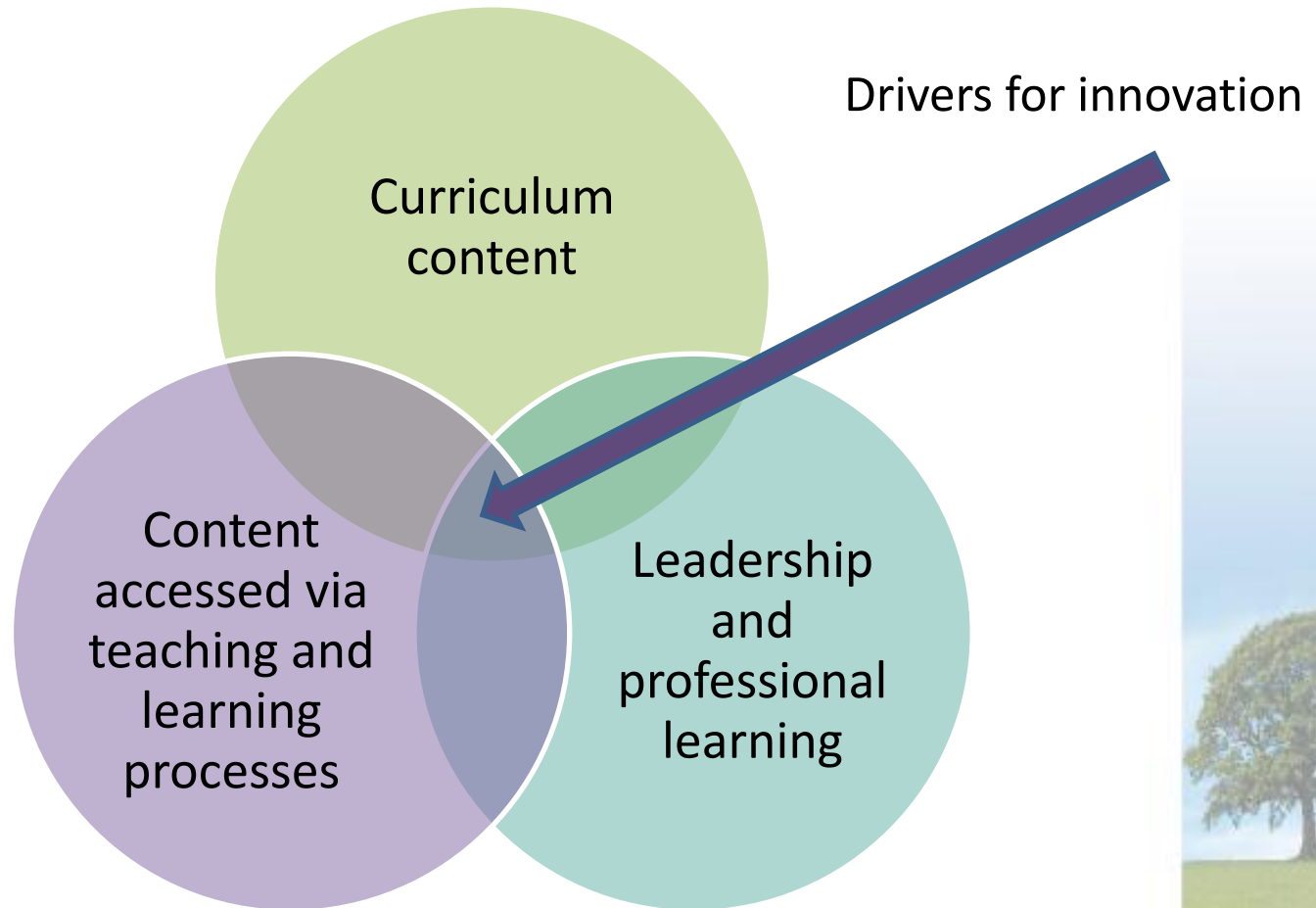


# This presentation

- The evidence base
- Leadership of innovative school and curriculum design
- A primary case study
- Other key features linked with benefits to pupils
- A secondary case study
- The role of the professional learning environment



# School and curriculum innovation



# The evidence base

- 3 comprehensive international research reviews
- 7 multi method, multi site probes – ( 799 pupils and teachers in 29 schools) interrogated via evidence base
- 3 large scale pupil surveys ( 15,060 pupils in 334 schools) and staff survey ( 570 teachers) triangulated via 20 focus groups of 6-10 pupils and or teachers
- Data extraction and analysis across whole to create a synthesis
- Plus a synthesis across 4 international systematic reviews about Continuing Professional Development and Learning





# Leadership of curriculum innovation

- Leadership of Curriculum Development – depended on and was a driver for effective Continuing Professional Development and (CPD)
  - Aligning curriculum and professional development made doing them feel like doing the day job better to teachers and leaders
  - Leaders used collaboration to help staff and pupils engage with multiple perspectives, expand possibilities and extend approaches and thinking – via team work and interdependent tasks
  - Identifying opportunities within Curriculum Development for :
    - Teachers to work with specialists to design content and pedagogy
    - Staff to engage in collaborative professional learning
- reinforced innovation, improved achievement - and built a thirst for ongoing development

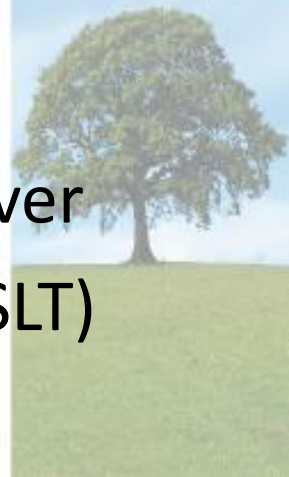
<http://www.curee.co.uk/node/3056>

<http://tinyurl.com/onk7329>



# What this and other findings look like innovation at Wroxham School

- Whole school council
- Staff and pupils review curriculum every 12 weeks
- Pupils identify key interests/ contexts for learning
- Staff map this onto the National Curriculum and develop schemes of work with specialist support
- Senior leadership identify and remove barriers to staff learning/ curriculum realisation
- Teachers spot and remove barriers for pupils
- Innovation projects often the key curriculum driver
- Careful monitoring by Senior Leadership Team (SLT)






# An example of innovative school and curriculum design Wroxham School





- Work with an artist on a sustainability project using rubbish from around the school to create a “driver”
- Working with an author on a reading environment
- <http://tinyurl.com/pty2pcq>



 **Made warm and manageable – with support from science, maths and technology projects in partnership with engineers**



# Innovation at Wroxham School

- New library as both project and curriculum context
- Pupils and staff worked with artists, authors, engineers, soft furnishers and sign writers to set and realise a vision for a new learning space over the course of 18 months
- Curriculum content, key concepts, skills/ ways of thinking and processes embedded in the project activity and anchored, via collaborative planning, at multiple levels and via tools
- Development was supported via workshops and coaching
- Monitoring was systematic *and* informal. EG coaching foci used to secure progression





# Effective curriculum innovation – Other ingredients from the research reviews

- **Contextualisation** of learning - connections between the curriculum, **home** and **community**
- Enabling ALL pupils to experience **challenge** and recovery from mistakes/ failures from the start
- Structured **group work**/effective **talk** to secure access
- Cumulative, **formative assessment** in which **pupils** are **active partners**
- **Aligning** curriculum, subject knowledge and professional development
- **Flexibility** to promote depth of **conceptual development** and transfer of learning <http://tinyurl.com/ccrvc8q>





# Components linked to innovation

- Making links to **contextualise** the curriculum required schools and teachers to engage in and model creativity in making links
- **Flexibility** in curriculum helped connect concepts/ phenomena *promoted depth* in learning and developed the understanding of rationale/ theory: *which enabled informed adaptation*
- Teaching and structuring **collaboration** / group work expanded perspectives and possibilities





# Continuing Professional development and learning (CPDL) and innovation

- Leadership of Curriculum Development depended *on* high quality Continuing Professional Development and Learning for teachers (CPDL) and was a powerful vehicle for it
- Here is a case study of a large, highly innovative secondary school where the deputy head leads the curriculum and uses CPDL as the key driver for change
- <http://tinyurl.com/p74wazo>





# In effective curriculum development schools:

- Leaders aligned Curriculum and professional development with *informal* accountability systems increasing ownership and the transfer of learning
- Curriculum development became embedded at scale via *tools and resources*, mediated via CPD
- Developing/refining tools for specific groups of pupils/contexts and matching them to individual needs was part of CPD
- Tools included rubrics to systematise thinking
  - e.g. ‘split screen thinking, templates, planning grids, audit tools, “habits of mind” for enacting core principles



# Kenton an innovative secondary school



# Corridor Art Work at Kenton






# Art work at Kenton



# Kenton – an innovative school



**Kenton**  
SCHOOL

Key Stage 2/3 Transition Unit Based on  
**Kensuke's Kingdom**  
by Michael Morpurgo

Name: \_\_\_\_\_ Primary School: \_\_\_\_\_ Y6 Class Tutor: \_\_\_\_\_ Y7 Form Tutor: \_\_\_\_\_





# Kenton – an innovative school

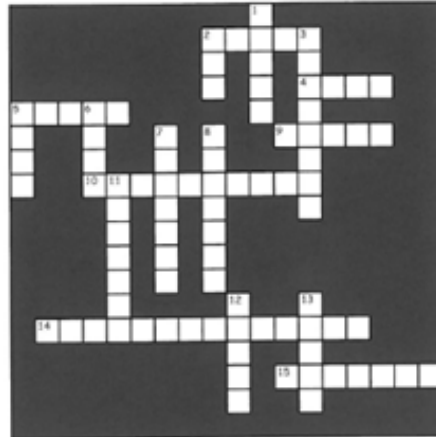
## The Seashore

Phonics    Vocab    Comprehension    Para/text structure

### (A)

Match up the words below to the definitions in the crossword, then fill in the crossword.

- stack • beach  
 cave • deposition • arch  
 groynes • transportation  
 shingle • cliff • erosion  
 coast • waves • tides • bay  
 headland • sand • seawall



### Clues Across

- An area of sand b.....?
- Rock rather like a gateway in the water.
- Where the land meets the sea.
- High costal rock face.
- The depositing of beach material.
- The movement of sand, shingle, etc to a different part of the coast.
- Wall built to protect the land from the action of the sea.

### Clues Down

- Moving ridges of water - we see rolling onto the beach.
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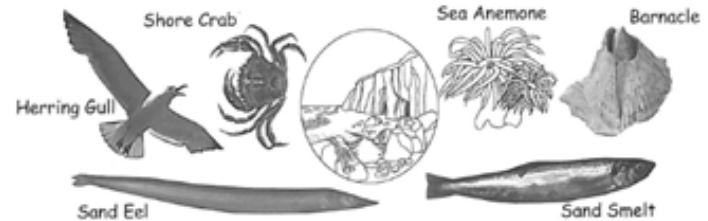
### Students

Are any of the words in section A new to you? If so add them to your word wall. When you are using the internet or books to research the animals in section B see if you can identify any new words.

### Parents/Carers

Support your child in reading the words in section A. Encourage them to sound out any new words and use a dictionary to find out what they mean. You could then take it in turns to read out a definition and match it to the correct word.

(B) What makes the seashore a good HABITAT for these animals? Find out what the animals eat, and how they live and breed.



.....

.....

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.....

.....

(C) Now try this...

Choose an animal that you have observed in its habitat. Make notes and write a report about why the animal is suited to its habitat...

.....

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.....

.....



# Kenton - innovation driven through Continuing Professional development and Learning (CPDL)

- CPDL leader leads a Professional Learning Programme (PLP)
- PLP via 2 hour mixed sessions and approaches each Wednesday plus 3 full day sessions,
- Research and Development groups eg re making learning independent
- Extensive Masters level study



# Kenton school

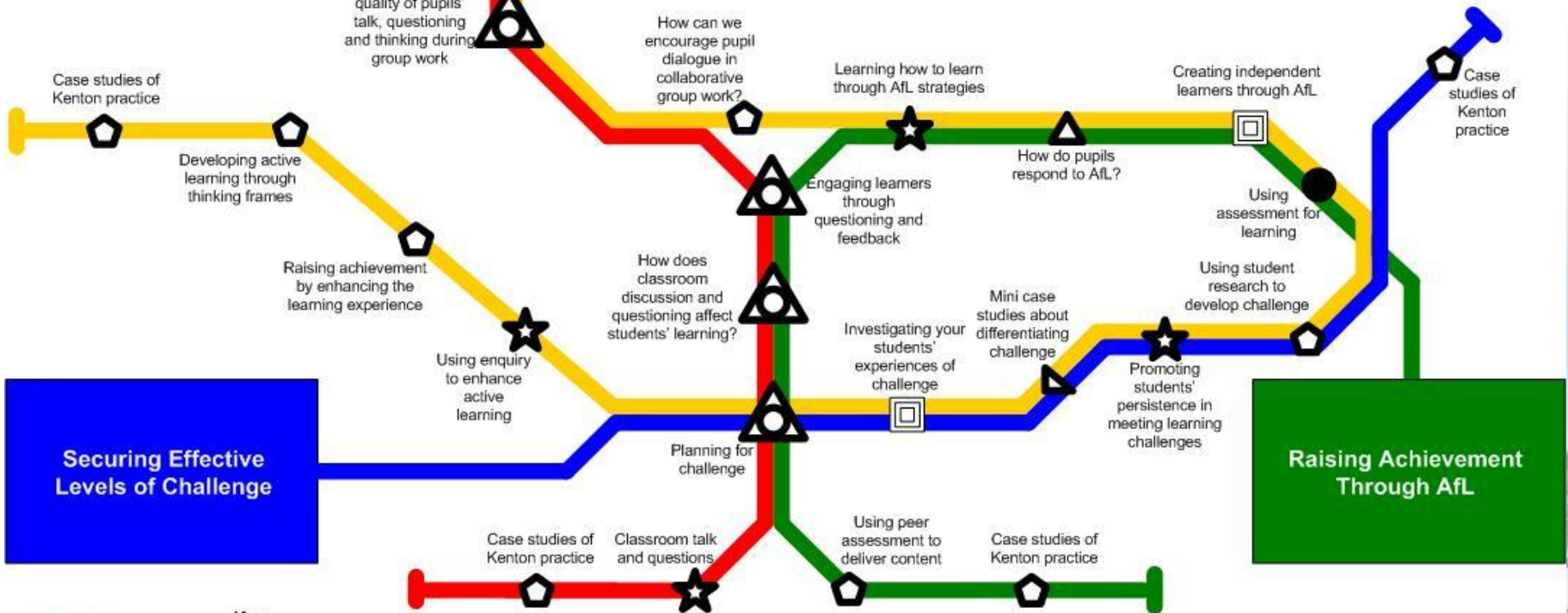
- All PLP including research underpinned by video based co-coaching for *all* staff
  - supported by trained co-coaching champions
  - practical micro enquiry tools and resources to secure quality embedded in a research [route maps](#) that create a pathway through wider knowledge base
- Staff choose activities, from varied programme, in context of specific goals and development projects
- Specialist expertise valued, evaluated and deployed
- Staff views valued and regularly researched too



**Developing Effective Questioning**

**Developing Active Learning**

Introduction to the Kenton route map



**Securing Effective Levels of Challenge**

**Raising Achievement Through AFL**

**Key**



Tasters - micro enquiry tools to try with your students - choose which of the three levels you want to work with



Practitioner friendly summary



Teacher case study



Mini case studies



Summary of research plus related case studies



Videos



Short and engaging PowerPoint summary (Bites)



# Kenton school

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# Effective CPDL - 8 Key Characteristics

- Use of specialist expertise especially via research evidence
- Peer support and professional dialogue rooted in evidence from experiments with new approaches
- Learning to learn from looking – focused enquiry/ observation skills
- Using aspirations for pupils as a starting point
- Developing theory and practice side by side
- The development and use of professional learning/enquiry tools
- Pro-activity – professional learning done *by* teachers (within a table d'hôte menu)
- Leadership recognition and modeling

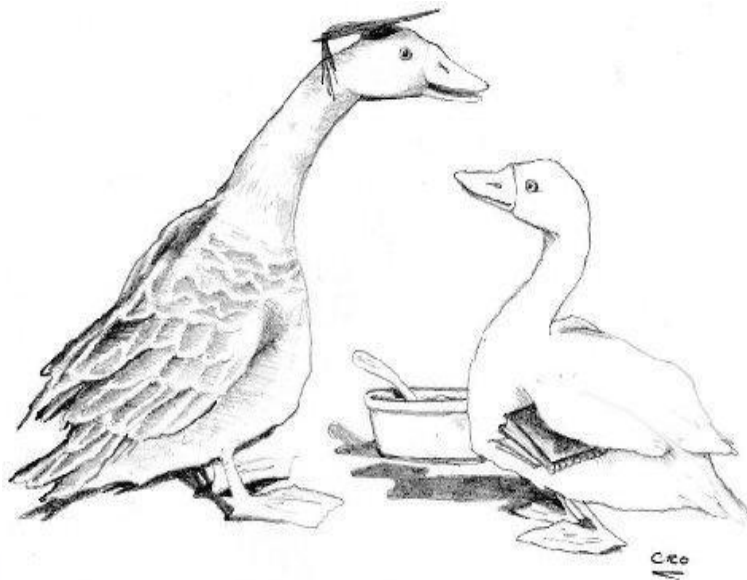
● <http://eppi.ioe.ac.uk/cms/Default.aspx?tabid=2275>

● <http://www.educationcounts.govt.nz/publications/series/251>



# Mirroring/ modelling innovation at every level

- This evidence suggests that school and curriculum innovation need to model and mirror the innovation we want teachers to create for young people
- Teachers need a curriculum and pedagogy too
- What is sauce for the goose is sauce for the gander



<http://www.curee.org.uk/content/sauce-goose-learning-entitlements-work-teachers-well-their-pupils>



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Name: Primary School: Y6 Class Tutor: Y7 Form Tutor:





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# Kenton – an innovative school

Vocab

Grammar

Spelling

## Languages

We often want to communicate with others. If we cannot speak at all or simply cannot speak the other person's language, we have to find a different way of communicating with them. This could be by making particular noises, facial expressions, or gestures with parts of our body. In Chapter 5 when Michael met Kensuke for the first time, he realised that he had no idea what Kensuke was saying to him. Michael thought it sounded like Chinese or Japanese. However, he did know that Kensuke was agitated and angry with him.

### Students

First try using your hands to give the messages. Then practice saying your sentences to your parent or carer before you write them down. Parents/Carers

Encourage your child to write in complete sentences. Work together to correct up to 3 spellings.

Can you draw some expressions on these faces to show how the people are feeling?



Write a sentence explaining how you would use your hand(s) to give these messages:

Pleased to meet you.

.....

Come here, please.

.....

Look at that!

.....

Stop!

.....

Quiet please!

.....

You shouldn't do that!

.....

Goodbye.

.....

Now try this...

Make some strange faces by cutting out facial parts from pictures in magazines and sticking them together as a new face. Use an "Additional Page" at the back of the booklet.





# Kenton – an innovative school

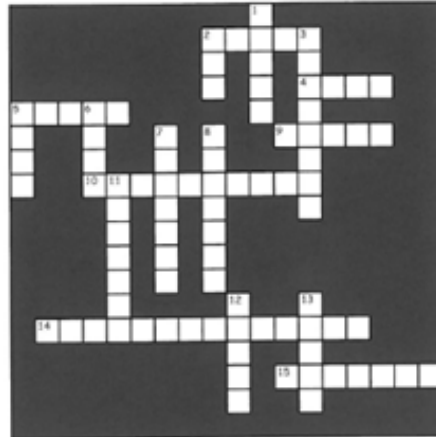
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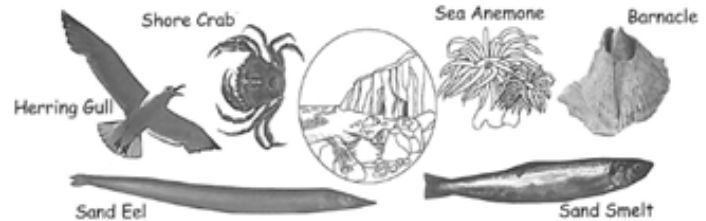
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## Respond Creatively to Briefs

This is an assessment page! To achieve the highest 'Level' you must complete all three progress steps!

### Design Brief

When young children go bed at night they often like the light on, this is because they are afraid of the dark. This is expensive solution to the problem and can also prevent other children getting to sleep.

A local retail store specialising in children's toys has asked you to design a product which will provide a small source of light to comfort children afraid of the dark.

Your design must meet the following requirements: appeal to young children, a simple design, battery powered & meet Health & Safety

### Learning Pathways

**Progress Step 1 – Level 4**  
 Develop question answering SKILLS - Cover a range of points.  
 SOME answers cover 2 different points  
 Develop question answering SKILLS - Justify your points.  
 SOME answers contain an explanation.  
 Literacy - WRITING : Develop; 'Spelling, 'Punctuation, 'Terminology & 'Grammar  
 FEW 5 errors, excellent use of T, G & P.  
 of project research considerations  
 Start to link sections and paragraphs together using different connectives. Use the literacy ladder to climb to level 4.

### Progress Step 2 – Level 5

Develop question answering SKILLS - Cover a range of points.  
 MOST answers cover 2 different points  
 Develop question answering SKILLS - Justify your points.  
 MOST answers contain an explanation.  
 Literacy - WRITING : Develop; 'Spelling, 'Punctuation, 'Terminology & 'Grammar  
 SOME 5 errors, good use of T, G & P.  
 Use lots of different connectives to link ideas and make sure paragraphs follow on from each other . Use the Literacy ladder to climb to level 5

### Progress Step 3 – Level 6

Develop question answering SKILLS - Cover a range of points.  
 ALL answers cover 2 different points  
 Develop question answering SKILLS - Justify your points.  
 ALL answers contain an explanation.  
 Literacy - WRITING : Develop; 'Spelling, 'Punctuation, 'Terminology & 'Grammar  
 FEW 5 errors, excellent use of T, G & P.  
 Check your own work to correct common spelling mistakes and grammar. .Use the literacy ladder to climb to level 6

Task! Write out your Design Brief below

Extended writing



Literacy Objectives:

Key Words:



Handwriting practice area with a vertical red margin line on the left and horizontal blue lines for writing.

### Reflection

The level that I think I have achieved is:

Because....



What you've done well

To improve you must

Pupil comment



