An introduction to Colourful Semantics

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Colourful Semantics A system to support spoken and written language learning across the curriculum, which can be used for ->sentence development >understanding questions >developing narrative >understanding written text >developing vocabulary & learning facts For Speech Pathologists, Teachers and other education professionals



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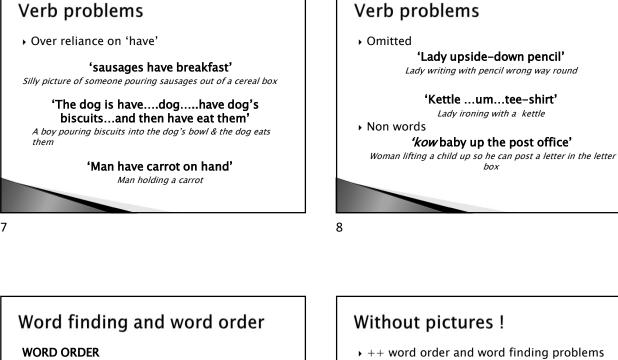
BB - Eirian Jones 1986

- Stroke patient
- Preoccupied with grammar structure [the, ing etc]
- ? Related to previous traditional SLT programme
- Hypothesis → difficulty at 'Functional Level' of the Garrett model
- New therapy developed with semantic focus

Gordon 1992

- OK at social phrases
- Best sentences in simple picture description
- Action Picture Test overly focused on using 'the' 'is' 'ing' and struggled to find the other words
- Previous programme SVO picture description
 + the /is/ ing

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Open window Mummy

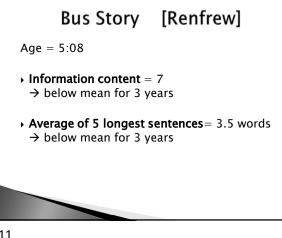
WORD FINDING [verbs and nouns]

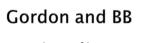
- 'Riding up the ladder' for 'climbing'
- Girl jumper over the gate'
- Hanger in the'

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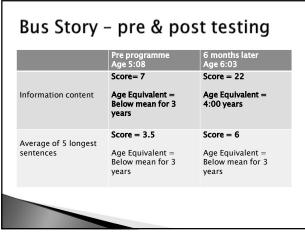


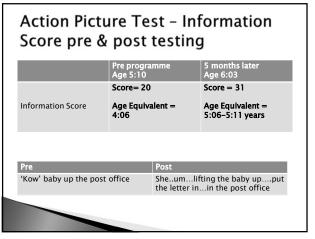
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- Similar profiles
- So...try similar therapy !
- Focus on sentence semantics not grammar
- **COLOURFUL SEMANTICS** →

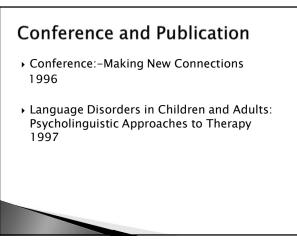










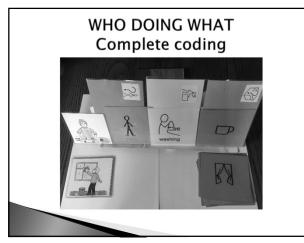




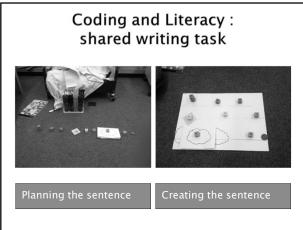
Conference and Publication

- Conference:-Making New Connections 1996
- Language Disorders in Children and Adults: Psycholinguistic Approaches to Therapy 1997
- Warning → Colour Changes ...WHY?

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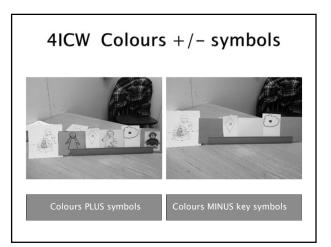
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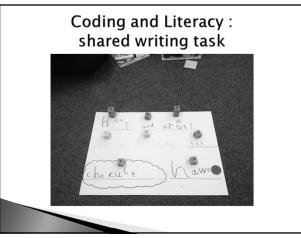


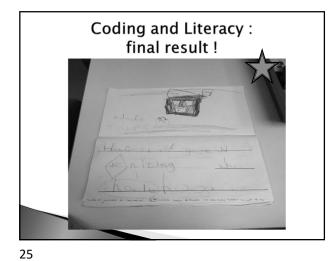
Colours updated and coding extended

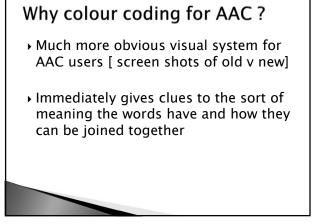
Question Word	Original Coding	Updated Coding	
(What) Doing ?	yellow	yellow	
Who?	orange	orange	
What ?	green	green	
Where ?	red	blue	
Who to ?	pink p		
What like?	blue		

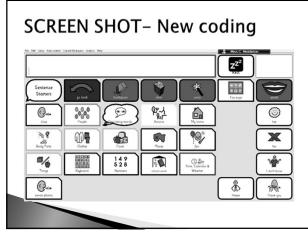
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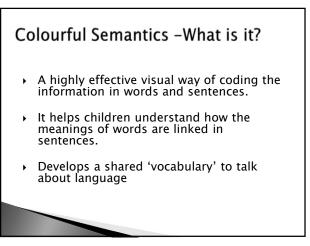


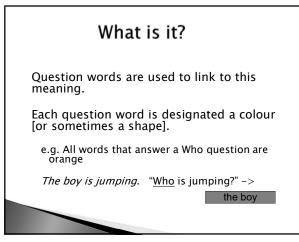


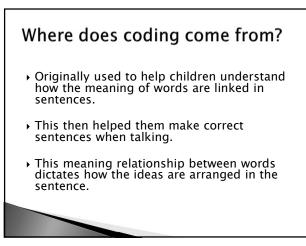


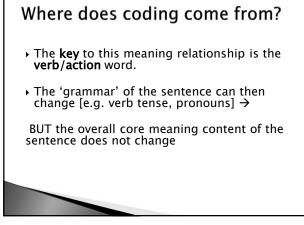




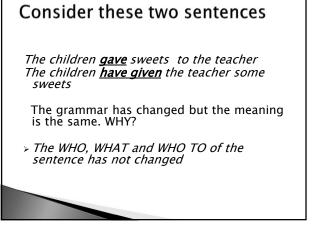


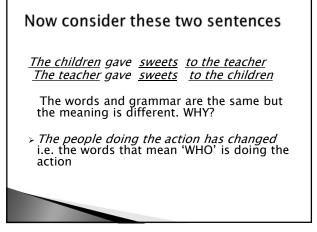








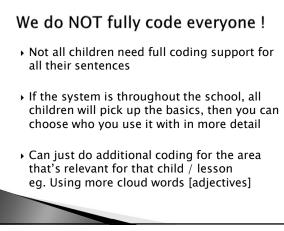


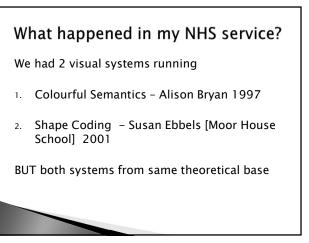


We do NOT code everything ! • Tool not a straightjacket - 80% correct is OK!

- Be selective
- You are in control of what is coded
- Do not have to try and code what child says!
- Use it to scaffold what you need



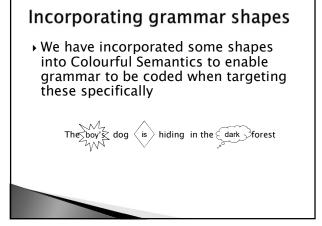




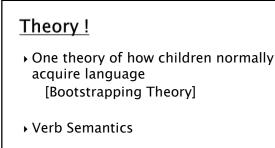
Integrating the 2 systems

- Started to integrate many years ago
- Initially using the non- argument structure shapes [clouds/diamonds] & verb tense arrows with the colour coding system
- Now have a fully integrated visual coding system in our service

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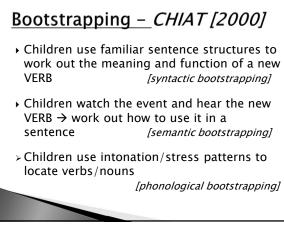
 A model of how we move from having an idea to saying a sentence
 [Garrett model]

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Theory references

- Bootstrapping Chiat (2000)
- Functional argument structure/verb semantics
 Garrett 1980, Black & Chiat (2003)
- Non-argument structure
 Pinker (1989), Black & Chiat (2003)

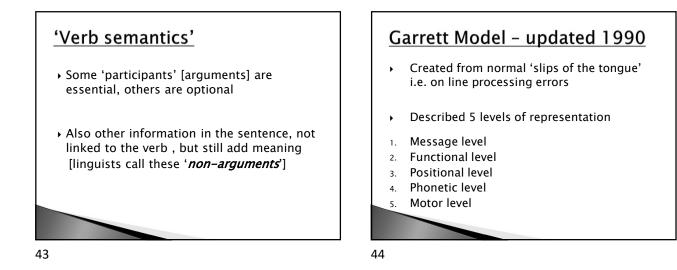
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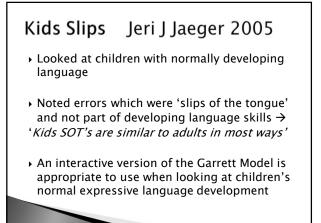




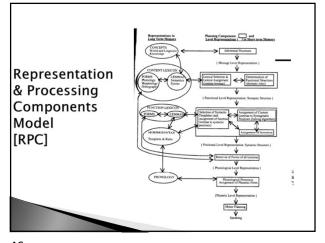
- All verbs are linked to 'participants' that need to be there for the sentence to make sense
- → 'who' does 'what' to 'whom'

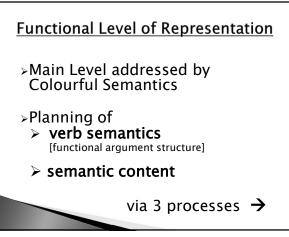
[Linguists call these participants 'arguments']

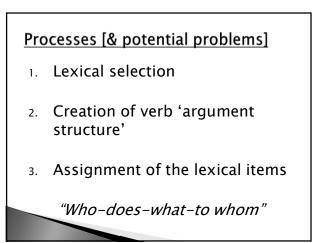


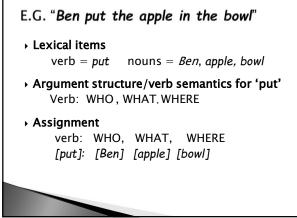


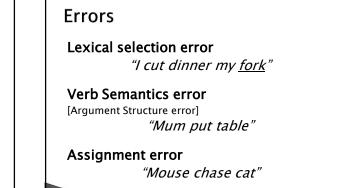




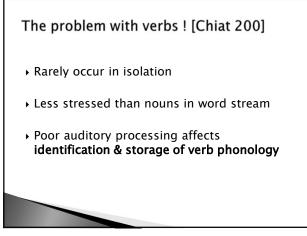




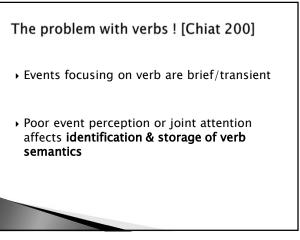




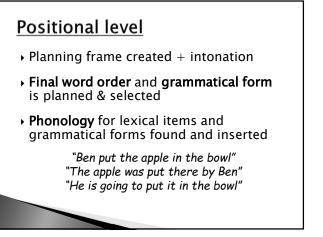
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Positional level \rightarrow other sentence information

- 'Other information' [Non argument] in sentences that are not directly related to the verb/verb semantics
- Still adds to semantic content of the sentence
- e.g. adjectives , adverbs of time & manner

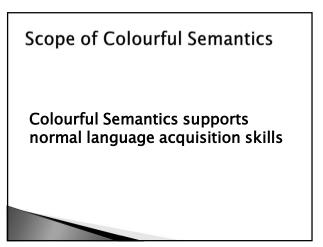
"The boy is <u>tall</u>" <u>"Last week</u> I went on holiday"



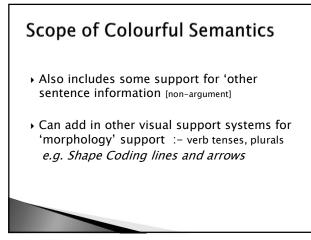
Scope of Colourful Semantics

- Supports understanding and creating verb semantics structure
- Supports assigning the right words the right 'slots'
- Supports normal language learning skills
 Using familiar structures to learn new verbs
 - $\ensuremath{\,^\circ}$ Information from events
 - $\,\circ\,$ Slows speakers speed and increases stress patterns

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Colour coding

- Is it new?
- Language through reading
- Grammatical structure [surface structure]
 verb semantics
 [deep structure]

Gordon is drawing a picture in his book

Gordon is drawing a picture in his book

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QUESTION WORDS ARE THE KEY TO CODING

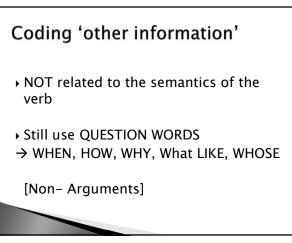
HOW DO WE CODE?

By linking each participant/other info with

> A spoken & signed **question** word

> A colour/shape

For simple sentences → Associating a target sentence structure with the resulting colour sequence.



Question words linked to 'other information'

- 'What look like' gives descriptive information [e.g. conceptual language of size & colour]
- 'What feel like' gives descriptive information using conceptual language related to texture, solidity etc
- 'How feel' gives information about emotions

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Question words linked to 'other information'

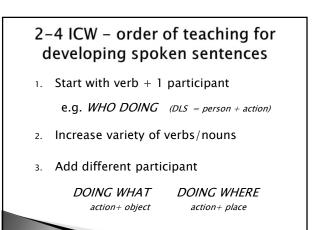
- 'When' gives information about time
- *'How'* gives information about the manner of an action
- 'Why' gives causal information
- "Whose" gives information on possessives

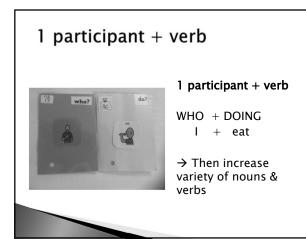
PLUS Way to code surface grammar words e.g. verbs like 'is' 'were'

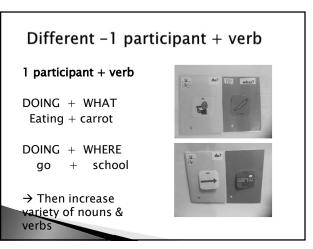
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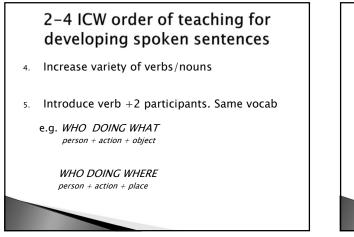
Other information	<u>Question</u>	Colour/shape
Adjective / concept i.e description related to noun	What like? <i>Cloud words</i>	
Adverb [time]	When?	Brown
Adverb [manner]	How?	Black
Cause & effect	Why?	Purple arrow
Sentence joining	[Joining up words]	Purple rectangle
Auxiliary Verbs	[Little doing words]	Yellow +
Possessives	Whose? Star words	3 min

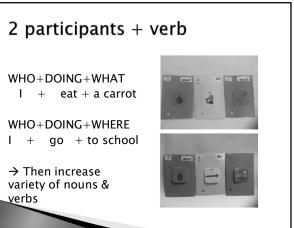
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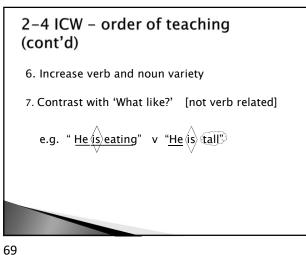


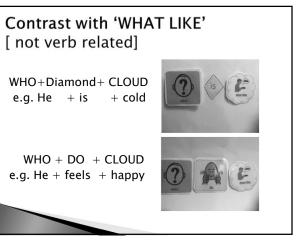


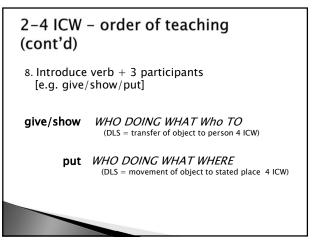


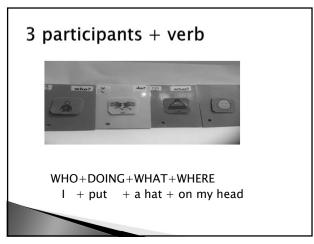












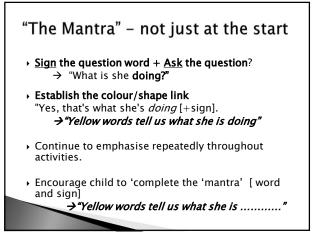
Order of teaching (cont'd)

- But need to be child led &/or curriculum led
- Please don't teach participants in isolation from verb !
- Higher level sentence coding will include more non-argument structures

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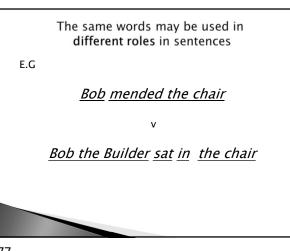
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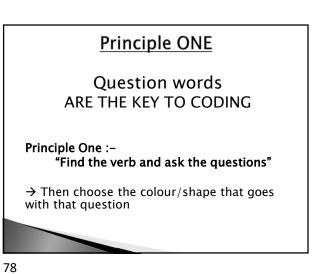


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- Represent with **symbols &/or words**
- Can progress onto coding just using coloured lines once familiar with system
- If you want to focus on two key words in one argument then use 2 symbols/lines but keep colour the same





Principle TWO

Question words ARE THE KEY TO CODING

Principle two :-

"ALL the words that answer the question are the same colour"

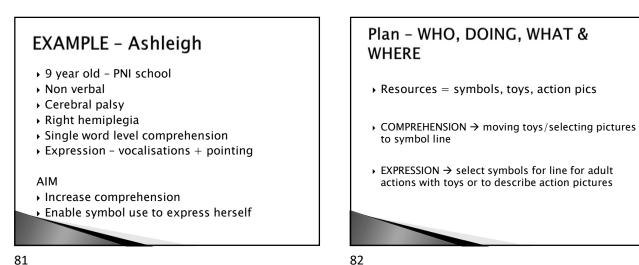
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Why are the questions important?

- . Link to the "WHO DOES WHAT TO WHOM" of sentences
- Link to the related lexical items [key words]
- See how the parts of the sentence are linked to give the sentence it's meaning i.e.

WHO is it? What are they DOING? WHERE are they? WHAT did they do it to? Who did they do it TO?

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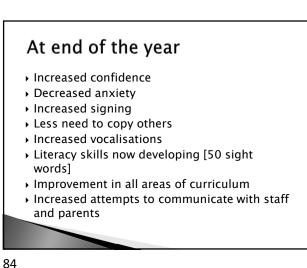


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Plan - WHO, DOING, WHAT &

WHERE

- 1. WHO + DOING
- 2. DOING +WHAT
- 3. Mixed 2 word level
- 3 word level WHO + DOING + WHAT 4.
- s. Introduced WHERE → WHO + DOING + WHERE



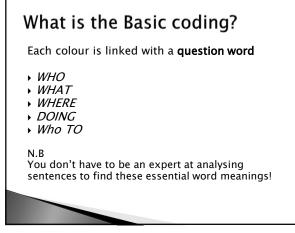
Quote

"Having seen little, if any, improvement in Ashleigh's language over the past few years, we have noted significant progress since starting this programme in October"

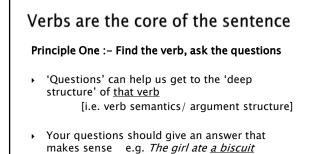
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OUTCOME - Oct → July Understands 23 verbs [sign, symbol and spoke word] Produces 3 symbol sentences to describe picture or action Understands a 3 symbol sentence

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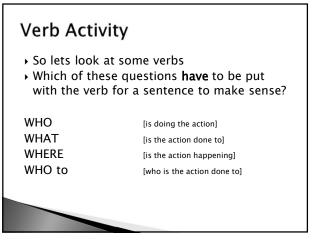


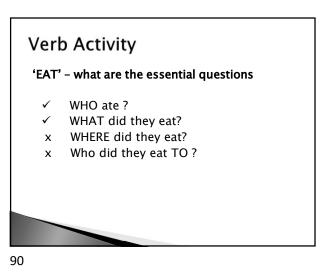




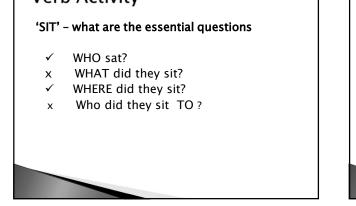
WHAT did she eat \rightarrow a biscuit

WHERE did she eat? → a biscuit????

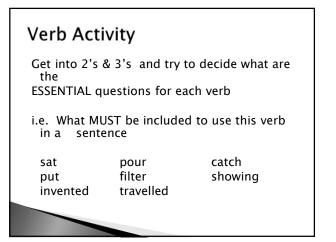




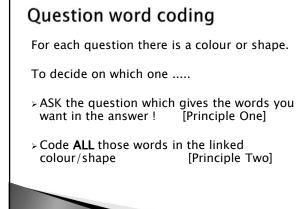
Verb Activity

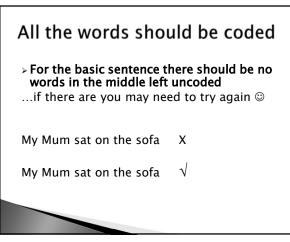


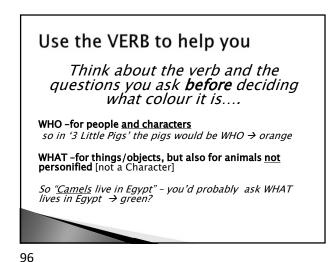
Verb Activity 'GIVE' - what are the essential questions WHO gave? WHAT did they give? WHERE did they give? Who did they give TO ?











Key to Basic Coding→ Can you remember the principles?

Principle ONE :-

"Find the verb and ask the questions"

Principle TWO :-

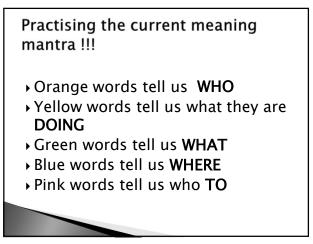
"ALL the words that answer the question are the same colour"

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Basic <u>colour</u> coding – essential question words

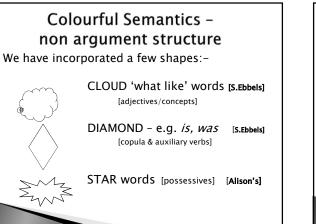
Question Word	Colours	Example
(What) Doing ?	yellow	Ben <u>is giving</u> a biscuit to the dog
Who ?	orange	<u>Ben</u> is giving a biscuit to the dog
What ?	green	Ben is giving <u>a biscuit</u> to the dog
Where?	blue	Ben is putting a biscuit in the bowl
To Who(m)?	pink	Ben is giving a biscuit <u>to the dog</u>

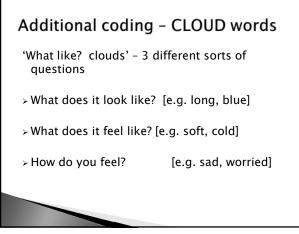
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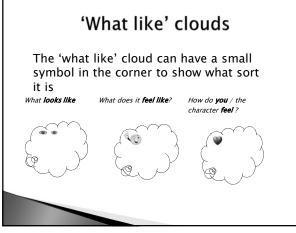


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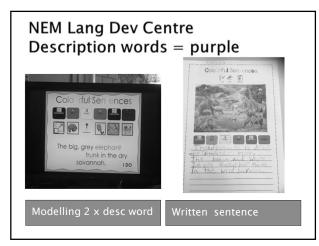
Additional coding Other information Question Colour/shape What like? Adjective / concept É à i.e description related to noun Cloud words When? Adverb [time] Brown Adverb [manner] How? Black Why? Cause & effect Purple arrow [Joining up words] Purple rectangle Sentence joining [Little doing words] Auxiliary Verbs Yellow + Possessives Swy. Whose? Star words

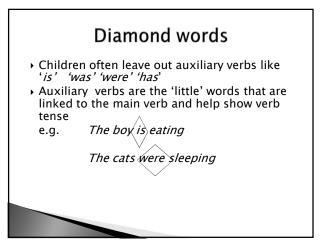


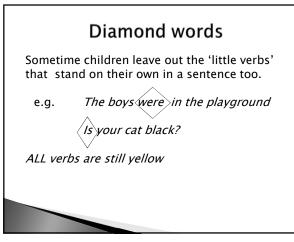


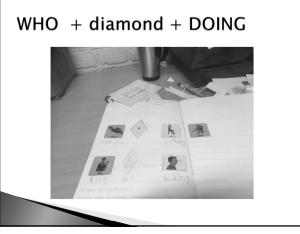


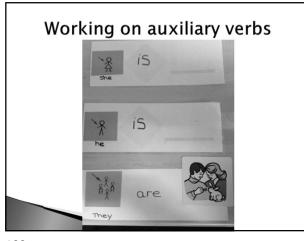


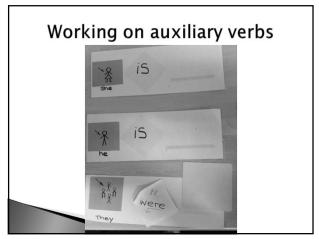


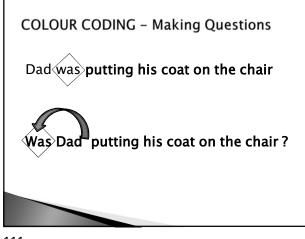


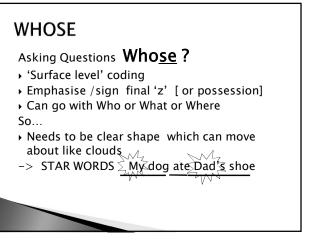




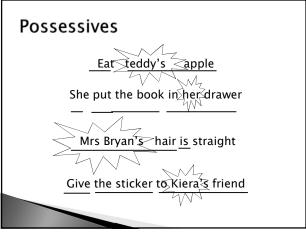






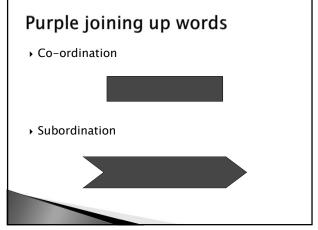


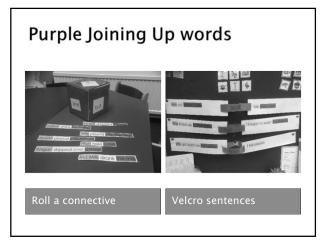




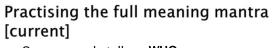




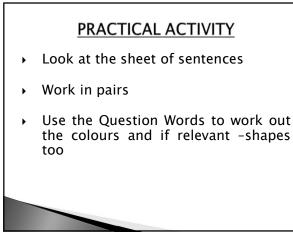


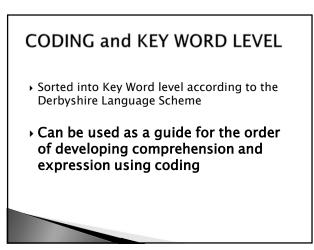


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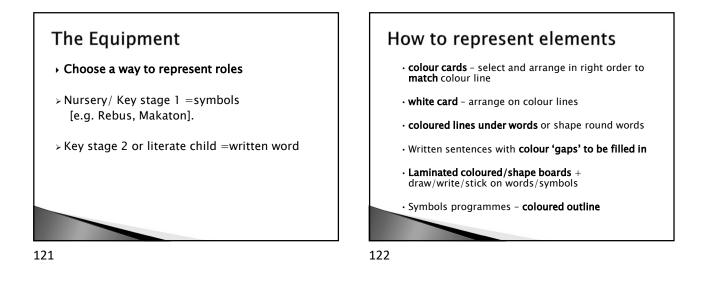


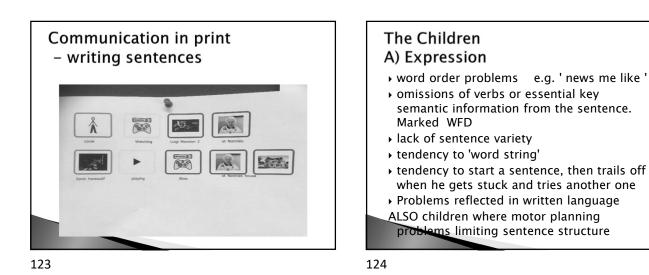
- Orange words tell us **WHO**
- ${\boldsymbol{\mathsf{*}}}$ Yellow words tell us what they are ${\boldsymbol{\mathsf{DOING}}}$
- Green words tell us WHAT
- Blue words tell us WHERE
- Pink words tell us who TO
- Brown words tell us WHEN
- Black words tell us HOW
- Purple words tell us WHY [& join things up]
- Cloud words tell us WHAT is it LIKE
- Star words tell us WHOSE

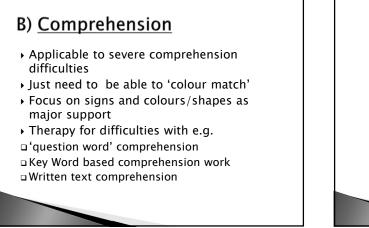


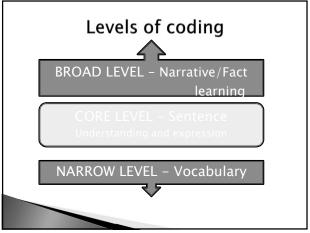












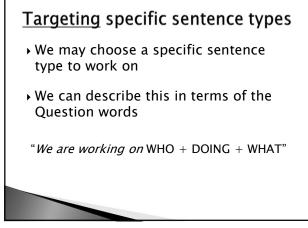


Developing sentence structure Expressing reasons – science Development of 'interesting' sentences in creative writing [cloud words] Supports question comprehension Developmental order of understanding question words [WALL CHART]

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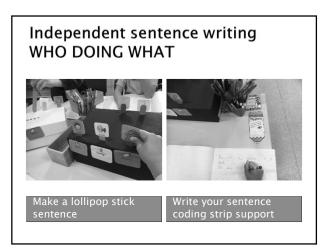
Developing spoken sentences Coding can be used to develop a child's ability to produce spoken sentences To increase the range of sentence types To increase the complexity of sentence structures

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Supporting Key word Level/ICW's Can use colour coding to support • Comprehension • Description • Command in all Key word level /ICW type activities e.g. Derbyshire Language Scheme [DLS]

3 ICW comprehension – coloured symbols + coloured line colour /draw big/little cat/house/tree

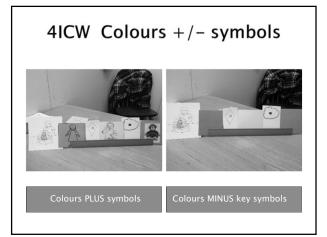
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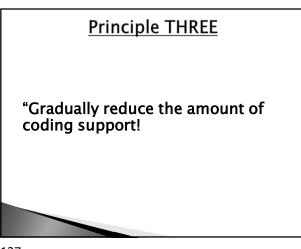
Reducing the coding support Once the child is secure with the full coding \rightarrow

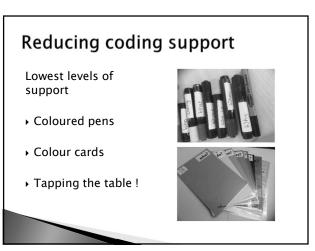
reduce the support you are using 1. Use the colour cards or line but move from

- Use the colour cards or line but move from coloured symbols to white symbols
 Deduce the number of numbers installation
- 2. Reduce the number of symbols, just leave the tricky ones there
- 3. Use colour cards /lines but no symbols
- 4. Gradually take some of the colours away, but encourage the child to touch where they were

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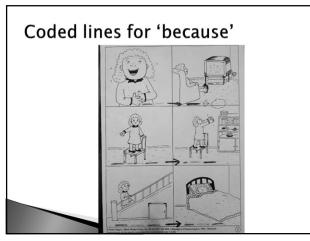


Practising target sentences

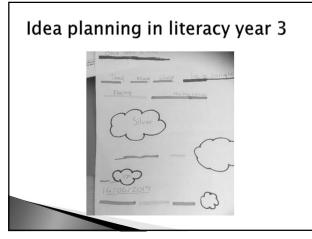
Colour line only

- Sometime we just have a colour line for the sentence as a prompt
- the child uses the colours to help them say the sentence

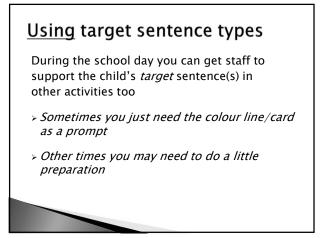
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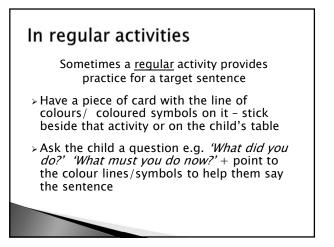


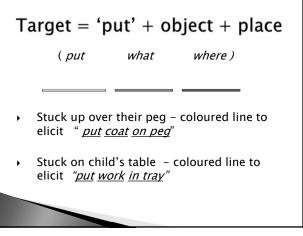
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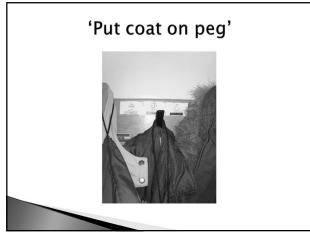


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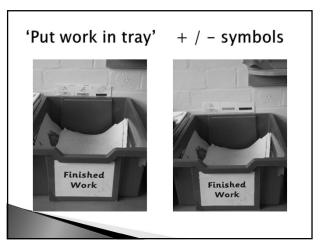


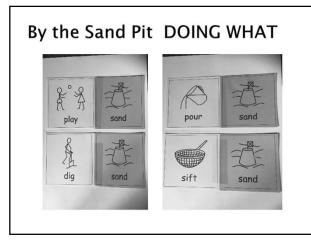


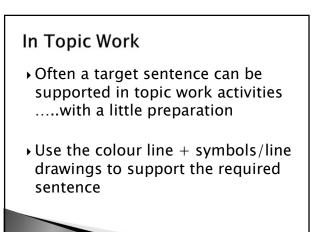


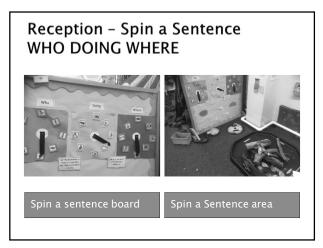


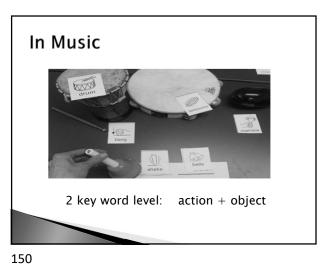


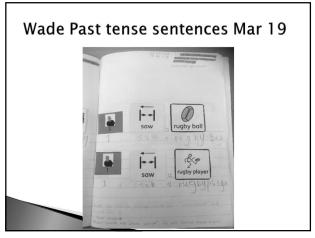


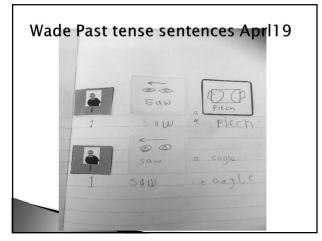




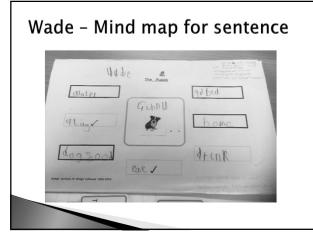








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Topic Worksheets

have a worksheet with

When recording an experiment you can

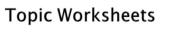
> a coded line for the target sentence

> key vocabulary to cut out and stick on

OR

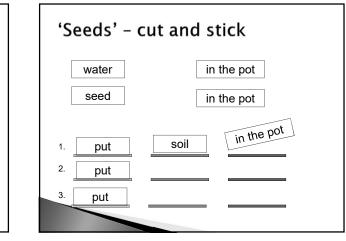
> key vocabulary to copy from

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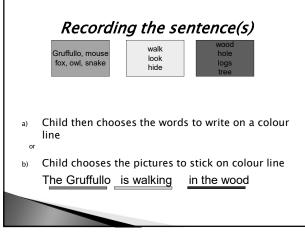
- Often it is hard for the children to record their work
- They may need a very simple, **repeated** structure
- YOU choose the sentence structure.... DON'T try to code what the child gives you
- Coded work sheets can be made for cloze tasks or copying tasks

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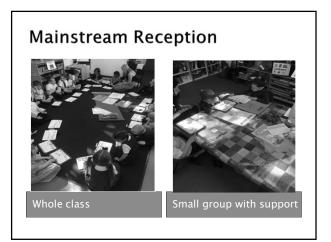
Key Texts [Big Book] E.g. 'The Gruffullo' • Can use Key Texts to find vocabulary Targeting sentences using relating to current sentence structures who' + 'what doing' + 'where' *being targeted* by therapist or to create simple narratives Write words or lay the pictures onto coloured cards Photocopy characters, locations from the book if the child cannot read key words. walk look Gruffullo, mouse fox, owl, snake • Use these to create a 'sentence' which can hide be 'read' out or written

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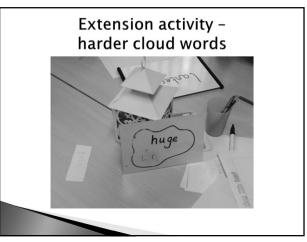


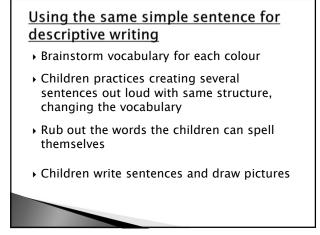


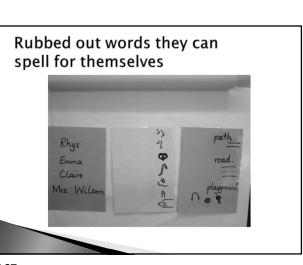




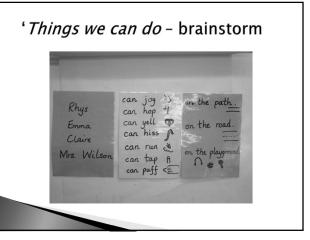






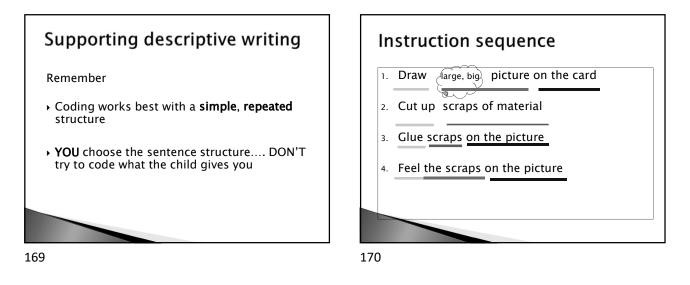


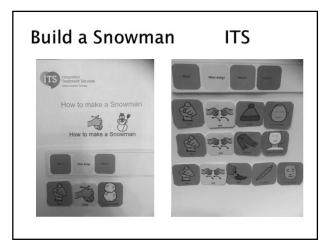


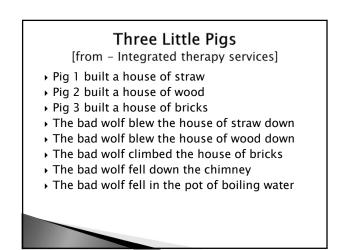


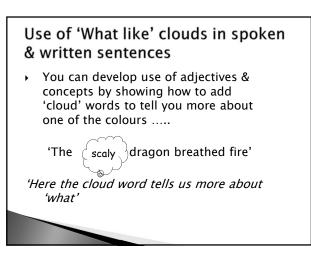


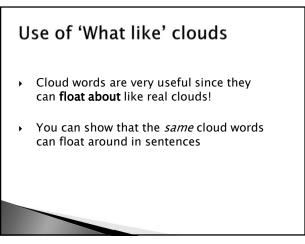




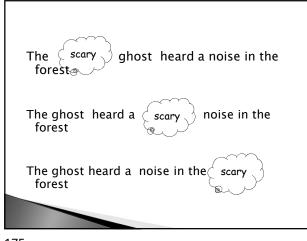


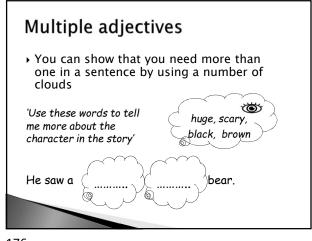


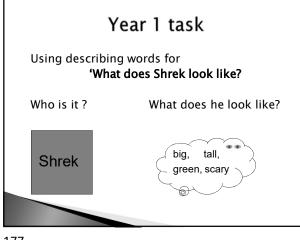


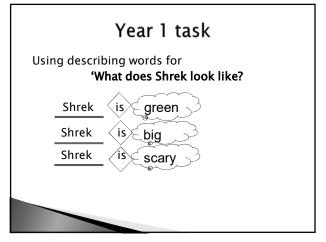


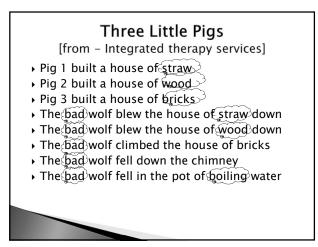


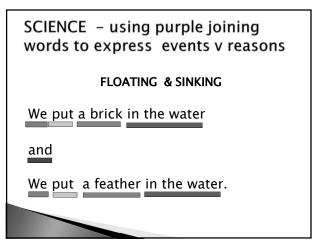


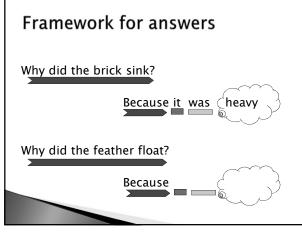


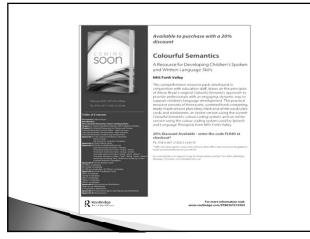




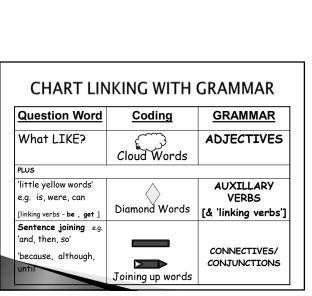


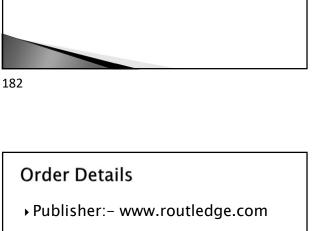






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Coming out February 2020

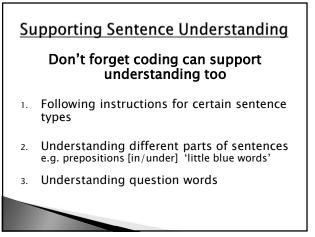
Colourful Semantics:-

Language Skills

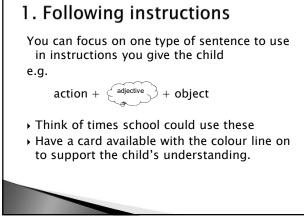
A Resource for Developing

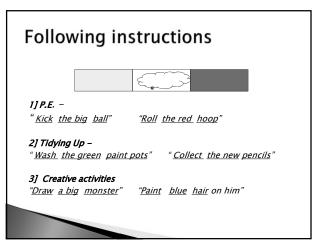
Children's Spoken and Written

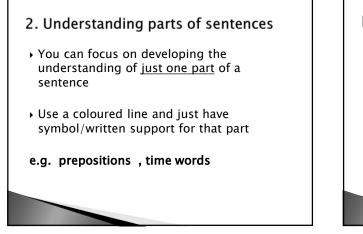
- 20% EARLY ORDER DISCOUNT CODE FLR40
- ▶ Pb code : 976-0-367-21050-2
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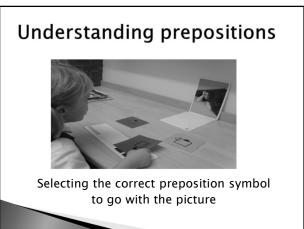


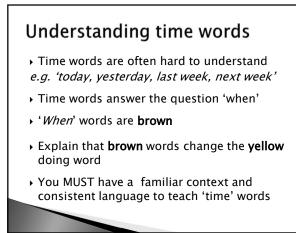


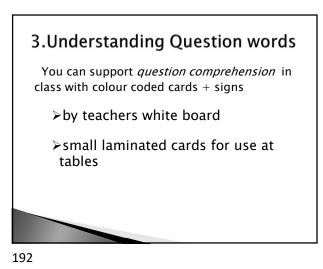


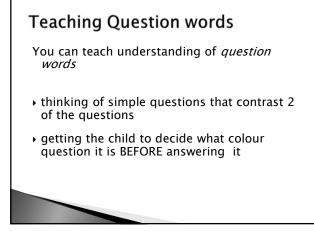


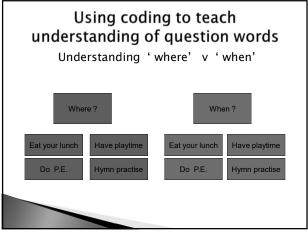


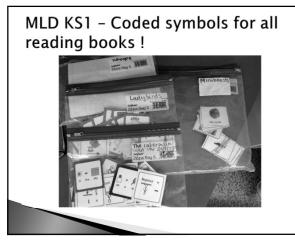


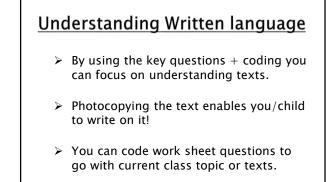


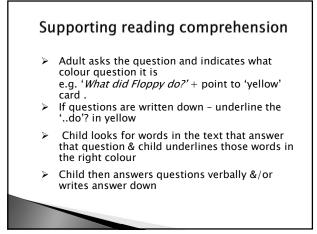


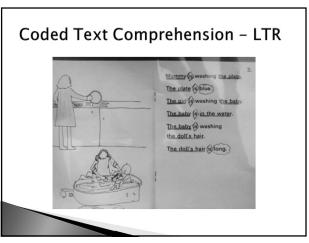




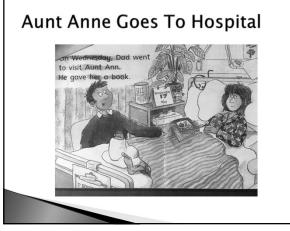


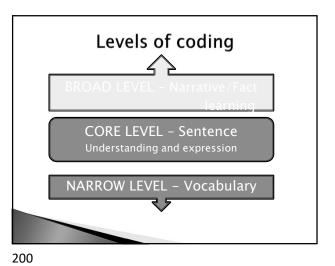






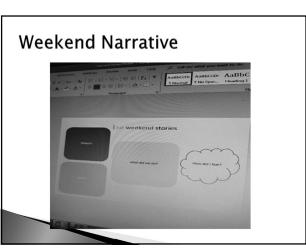




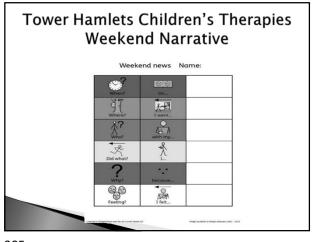


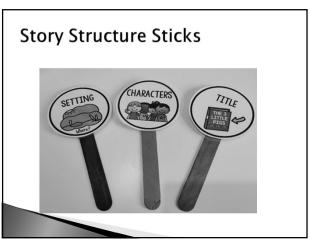
Narrative Coding Types of Narrative Support • Question words form a structured framework to create a narrative > News · Coding supports the understanding of > Familiar texts/stories as a basis for question prompts narrative e.g. big book, fairy stories, • Coding supports finding the elements the narrative e.g. who, when, where Original narrative • Drop coded structure when child is ready Non fiction narrative 201 202

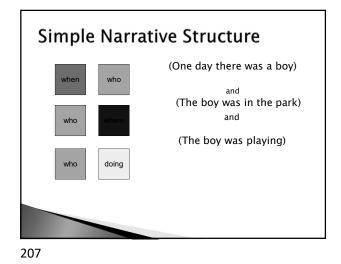
Some children with very limited language benefit from a set visual structure they always use for narrative work
In my KS1 Base we use the Black Sheep story planner.
Coding can be used to support ANY narrative framework

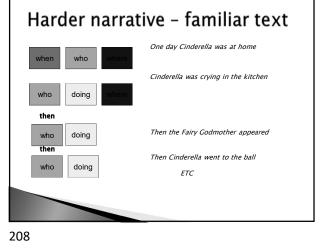




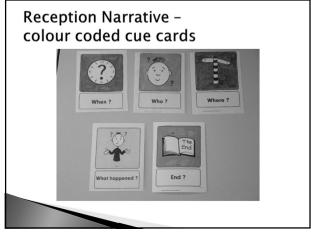




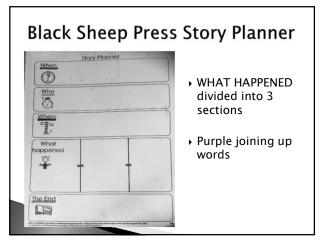


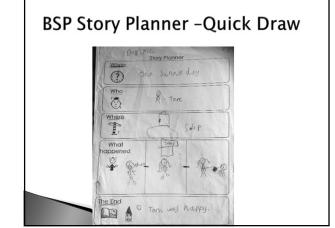


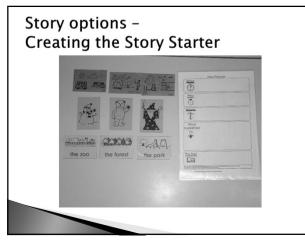
Resource : Black Sheep narrative packs
Nursery Narrative Pack
story components:- who, when, what next
Reception Narrative Pack
story components:- who, where, when, what happened next
Fun with Narrative [big books]

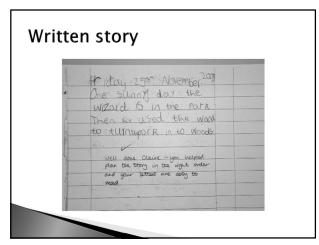




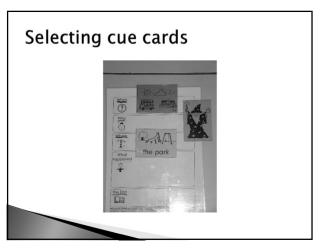




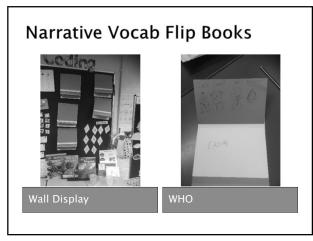




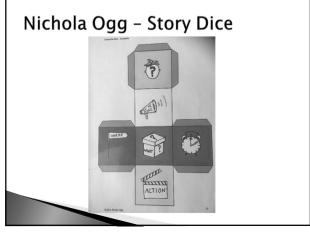


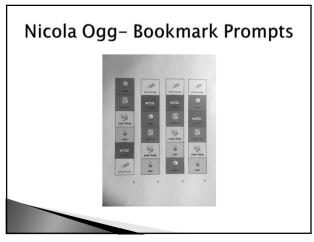


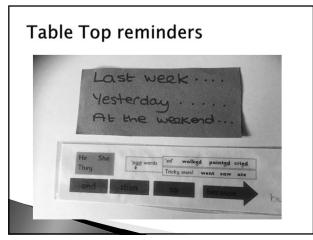


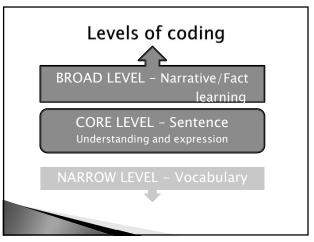








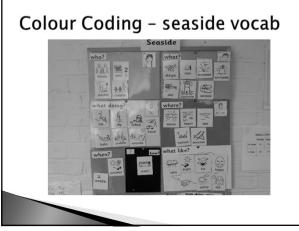






Vocabulary Coding • Coding can be used to teach and practice key topic vocabulary through colour coding the vocabulary in • vocabulary books • Wall displays • Generating semantic webs/ mind maps

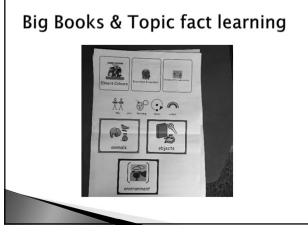
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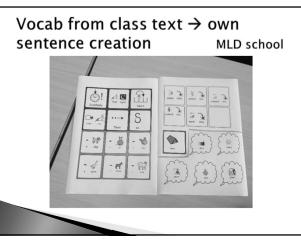


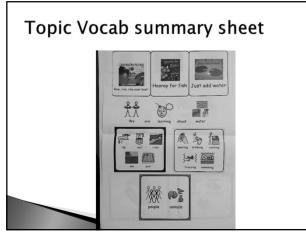
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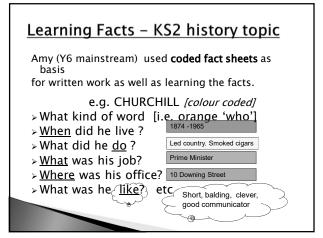


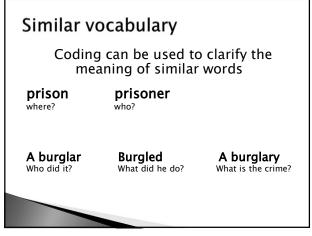
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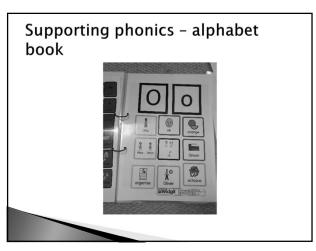


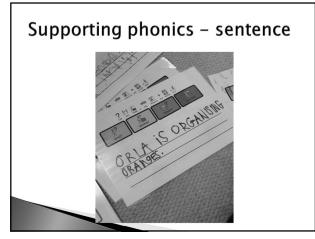




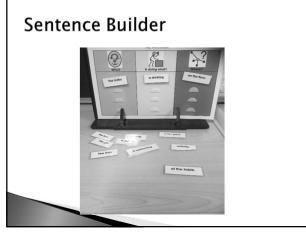


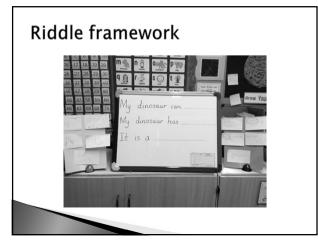


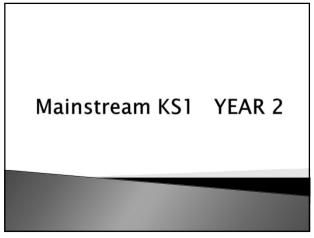


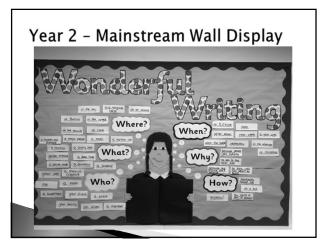


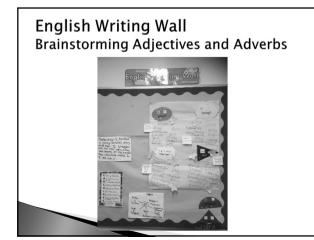




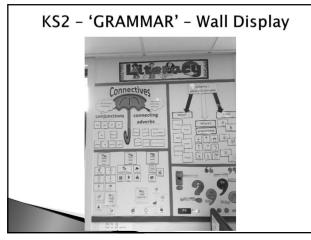






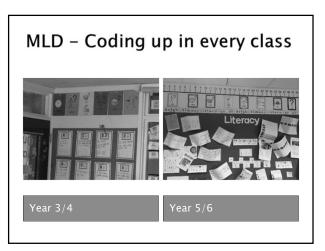


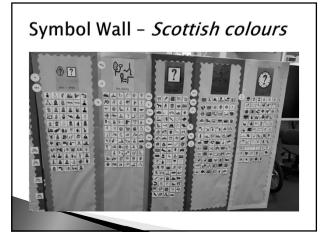




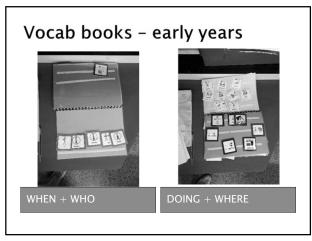
recording. The diary – example.	
This diary belongs to WHO?	Nicola
What will I do?	Will write
To what?	notes
Where?	In the diary
When?	Every week
Anything else?	About the best thing she did and how she felt.

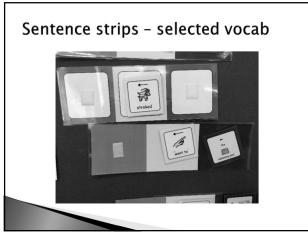




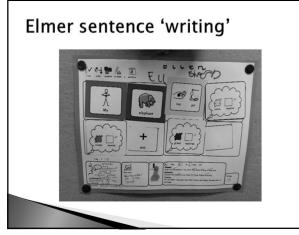








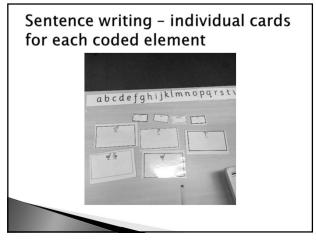
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