

the ideas and theories of Prof [Mary Kalantzis](#) and [Bill Cope](#).

Dr Peter Burrows (RMIT University Melbourne), working with

# learning-by-design



Universidade de São Paulo, March 2013

A presentation at ...

## overview

### CONTEXT

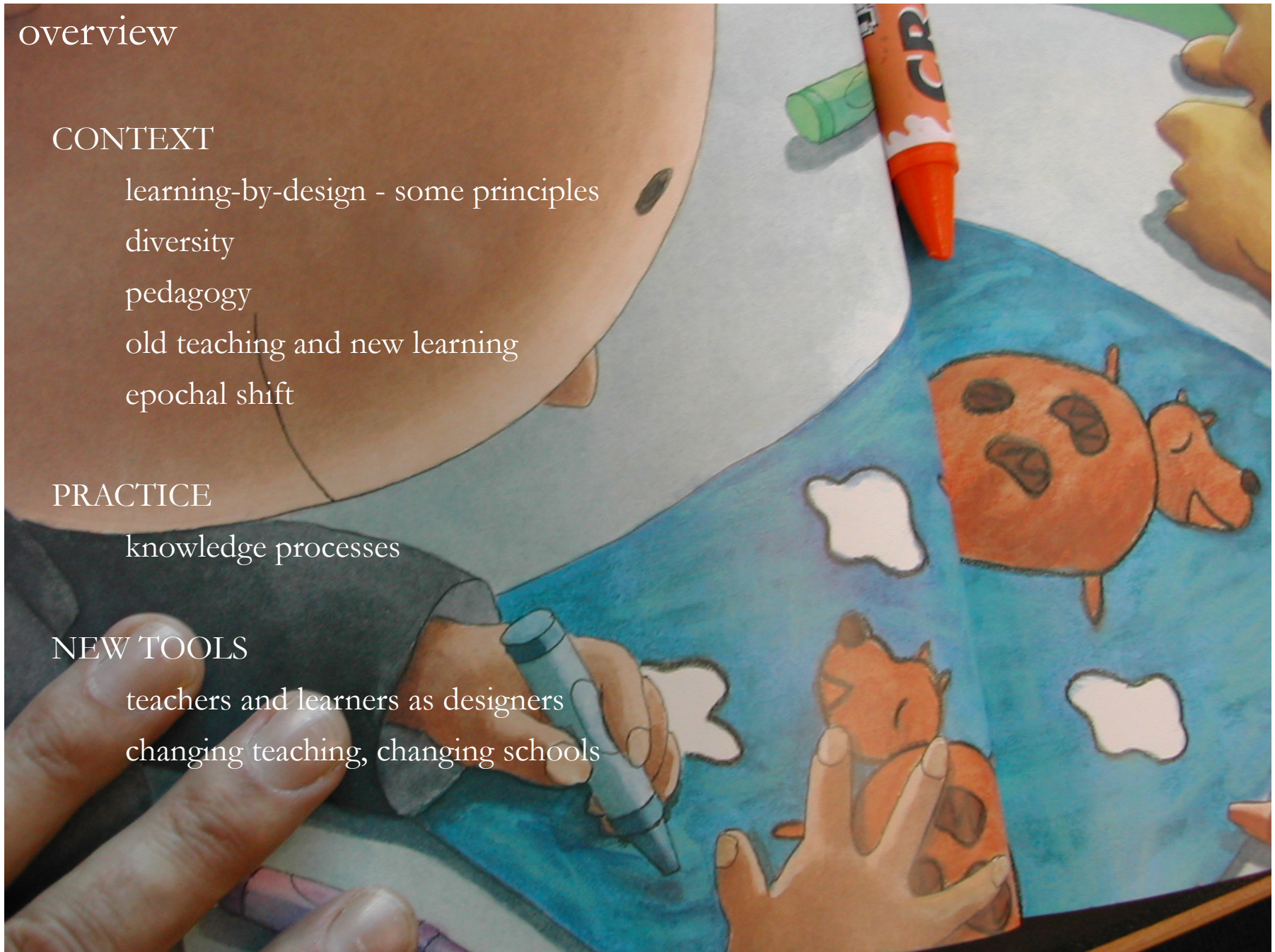
learning-by-design - some principles  
diversity  
pedagogy  
old teaching and new learning  
epochal shift

### PRACTICE

knowledge processes

### NEW TOOLS

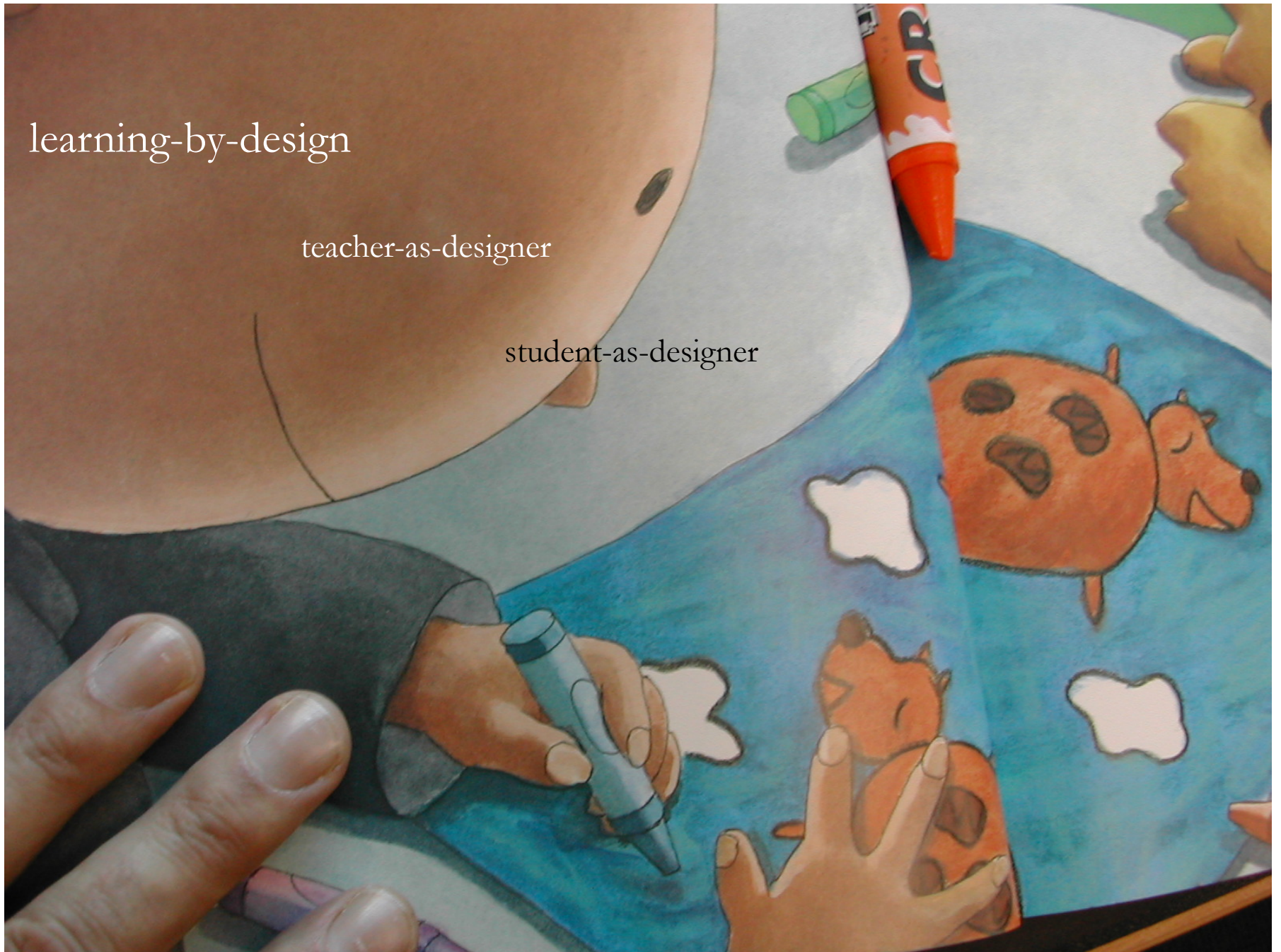
teachers and learners as designers  
changing teaching, changing schools



learning-by-design

teacher-as-designer

student-as-designer



teaching as...

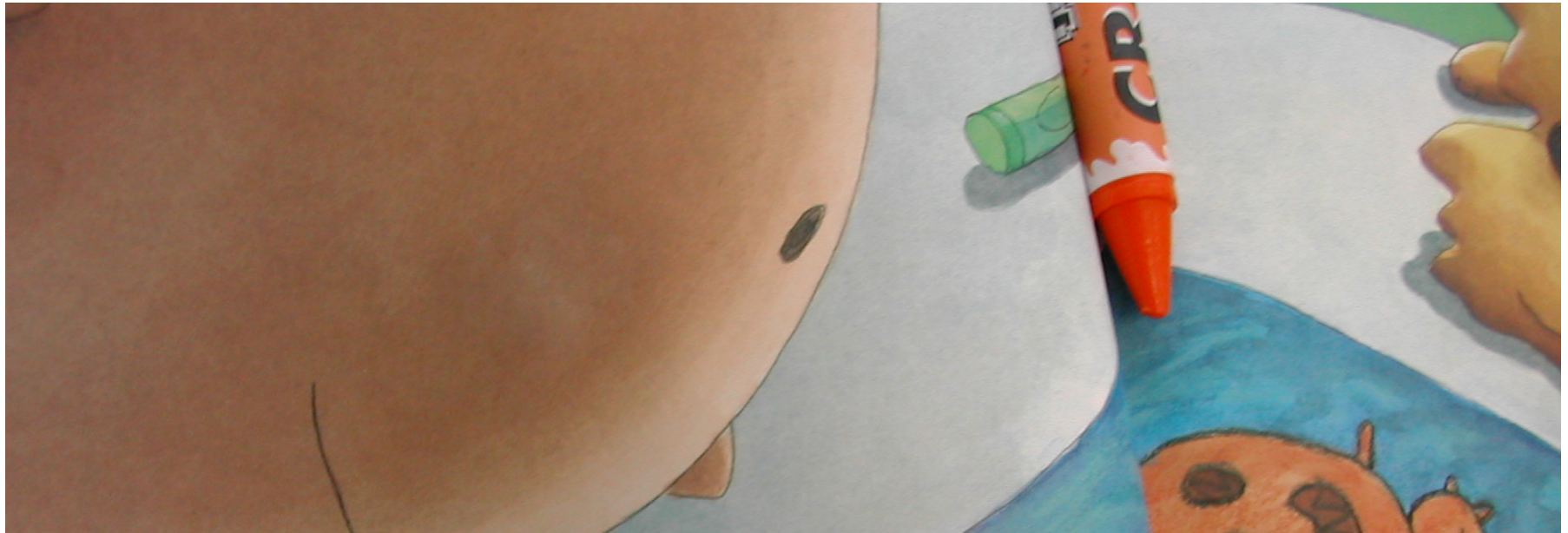
mindful

premeditated

reflective

and shared.





Paradox: nothing new but everything different.....





## The principles of learning-by-design...

Effective learning environments engage with **learner diversity**.

Learning is about **transformation**, and transformation is the basis of **enhanced learner performance**.

Learners today need to use a variety of **synaesthetic** meaning making resources—the linguistic, visual, audio and spatial resources of **multiliteracies**.

Teaching and learning choices—**pedagogy**—need to be made explicit, pathways planned, and performance clearly tracked – learning by design.

# Two views of diversity

Based on differences in gross demographics ↔ lifeworld attributes

## Diversity 1

### GROSS DEMOGRAPHICS



Age  
Ethnicity/Race/First Language  
Indigenous/Non-Indigenous  
Gender, Sexual Orientation  
Locale  
Socio-economic group  
(Dis)ability

## Diversity 2

### LIFEWORLD ATTRIBUTES



Life Experiences  
Interests, Orientations  
Values  
Dispositions, Sensibilities  
Communication and Interpersonal Styles  
Thinking Styles, Learning Styles  
Affinities and Networks

# Creating the necessary conditions for learning

The need for **belonging** and **transformation**

▶ **BELONGING** - effective learning engages the learner's **identity**.

It builds on the learner's knowledge, experiences, interests and motivation - this is because the everyday **lifeworlds** from which students come are always varied.

▶ **TRANSFORMATION** - effective learning takes the learner on a journey into new and **unfamiliar terrains**.

However, for learning to occur the journey into the unfamiliar needs to extend from a **zone of intelligibility and safety** - just the right distance from the learner's lifeworld starting point.



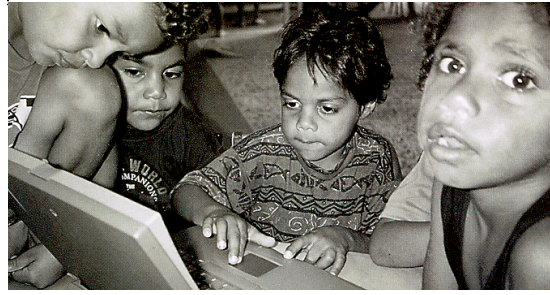


# the learning-by-design project

a focus on pedagogy

a body of theory about  
multiliteracies and  
multimodal meaning-  
making

a need to address  
student diversity &  
lifeworlds



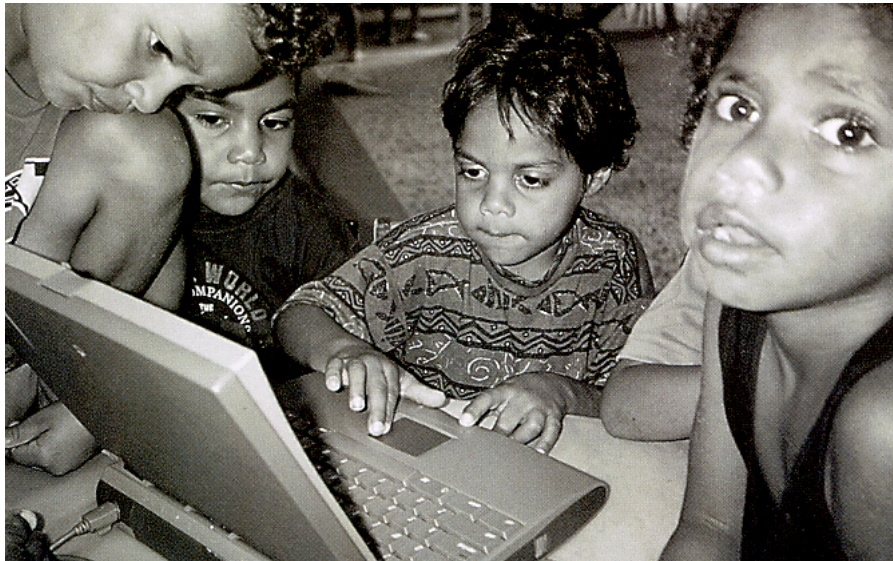
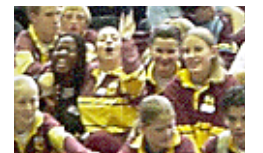
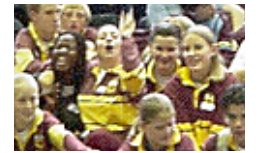
▲ A need to translate  
theory into practice...

► new learning...new literacies

New architectures - buildings, people, knowledge

Classroom diversity: differentiated and customised; banks of learning content, alternative learning pathways

Lateral communications, peer-to-peer, learning as collaboration



► new learning...new literacies

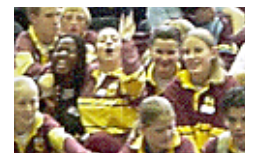
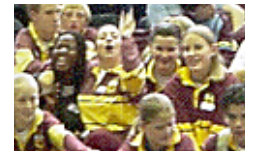
multimodal texts

Knowledge flows: schools as knowledge  
producing communities

New media for creation and delivery of  
learning content - reproducing the past  
or doing something new?

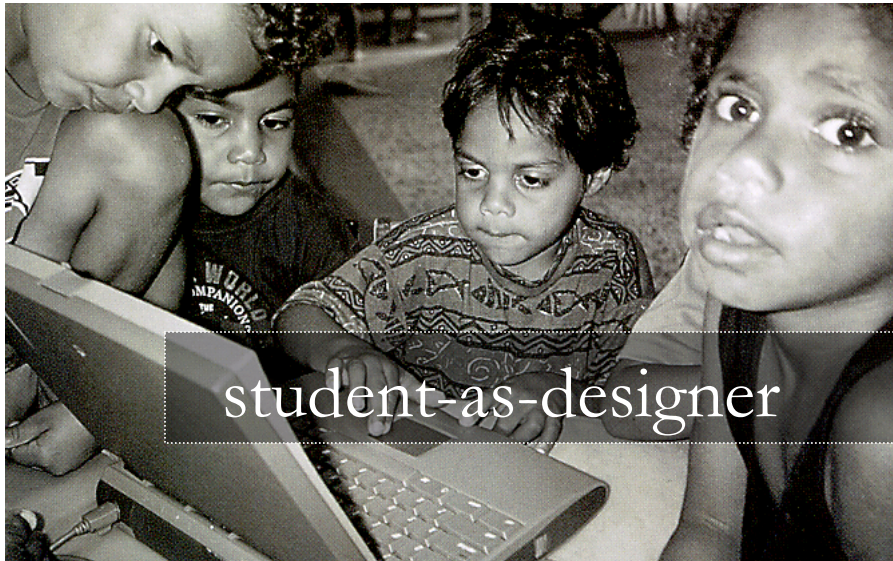
Forms of engagement: learner  
dispositions and sensibilities

the new teacher, the new professional



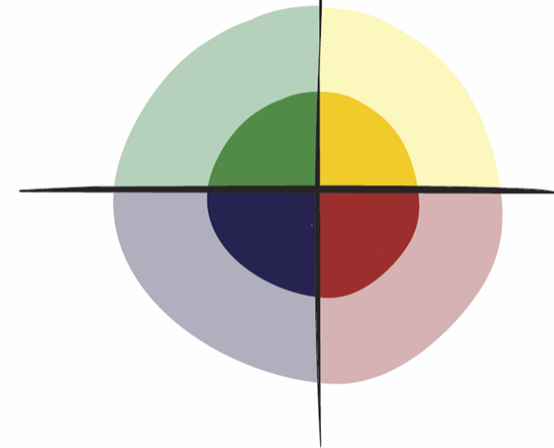
# student-as-designer

- ▶ engaged,  
discerning,  
collaborative,  
and transformed learning

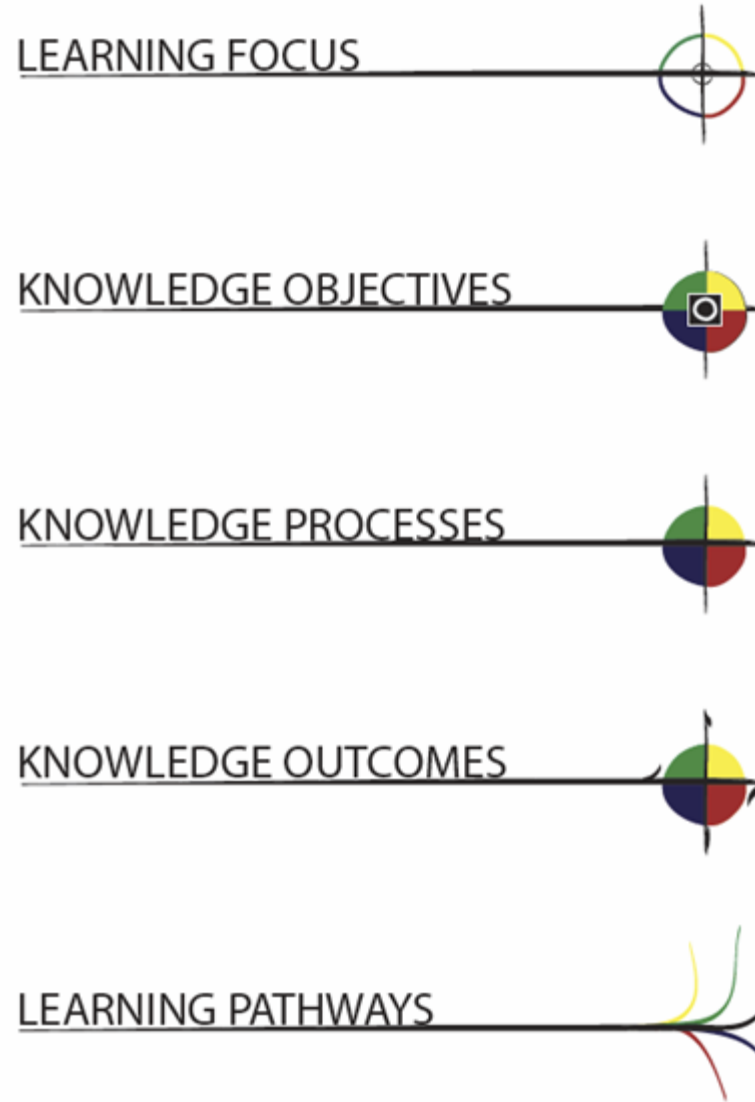


# the learning-by-design project

a focus on **pedagogy** – the knowledge processes



# learning-by-design – a learning architecture



# learning-by-design – a learning architecture



The things we do to know.

*... not (so much) cognition and memory ...*

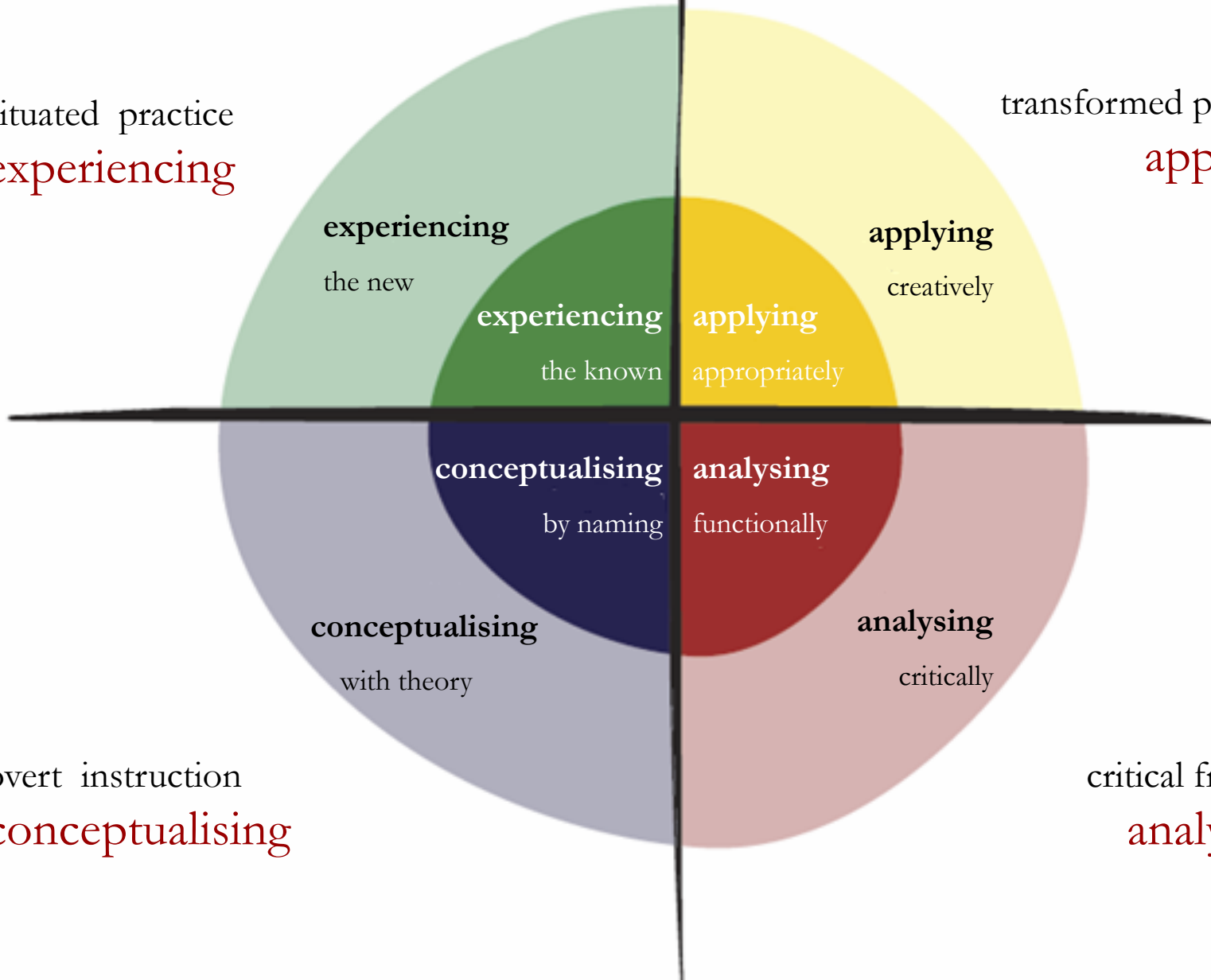
Knowledge representations: evidence in  
artifacts.



# The 'knowledge processes'

situated practice  
**experiencing**

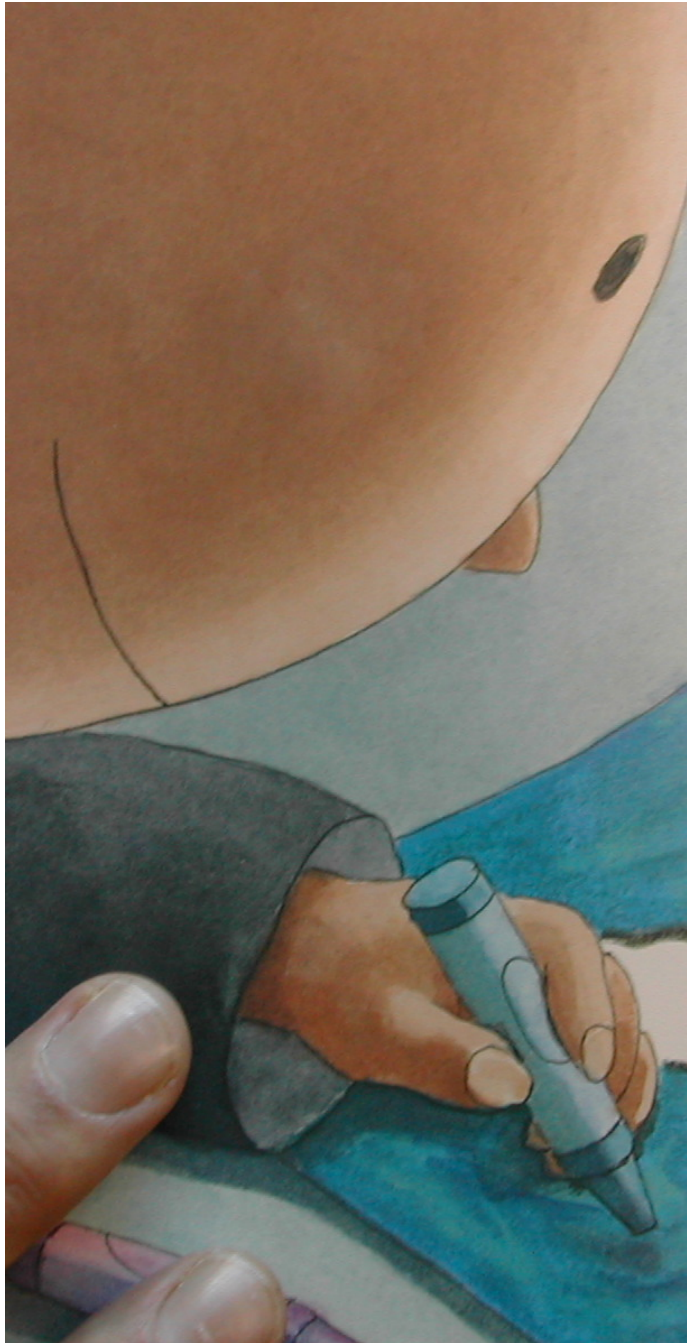
transformed practice  
**applying**



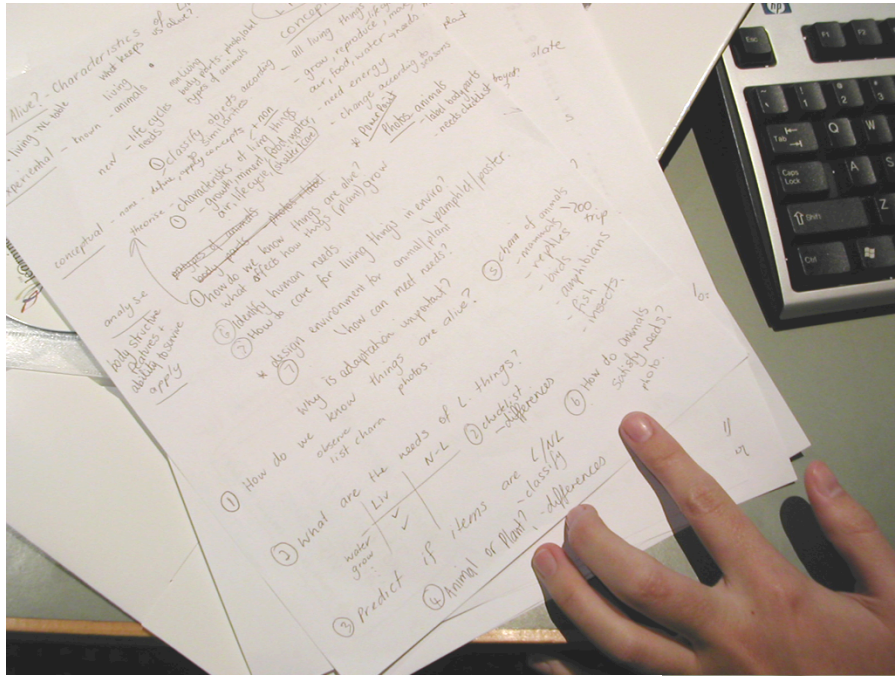
overt instruction  
**conceptualising**

critical framing  
**analysing**

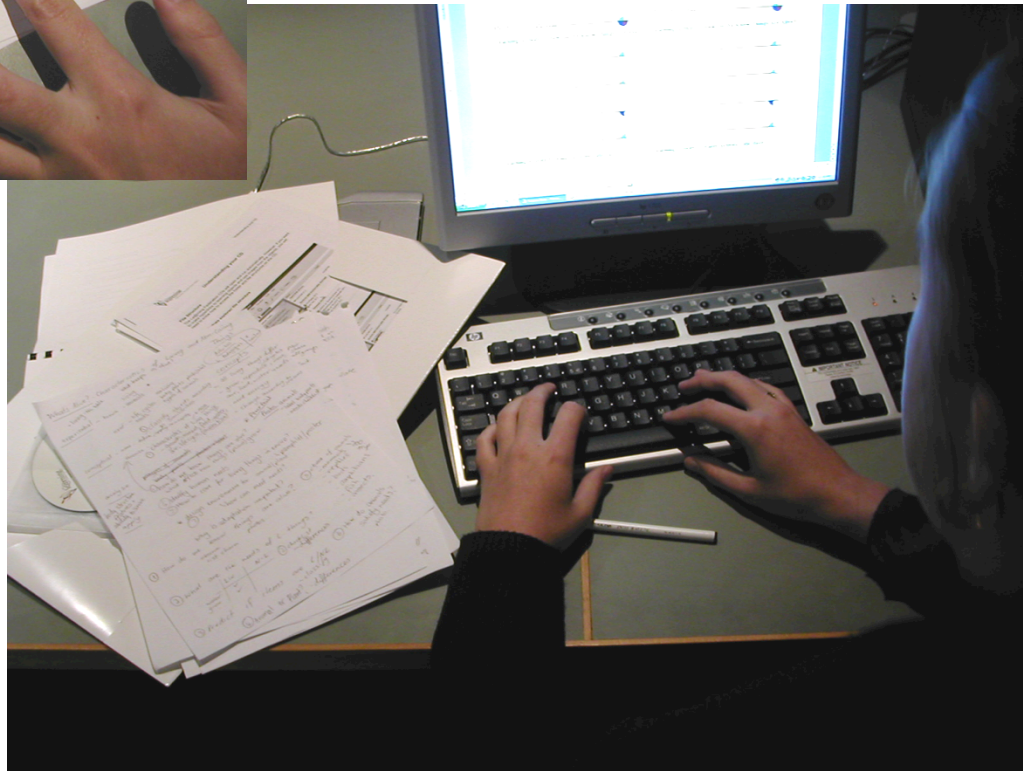
- Experiencing: *the known* – learners bring to the learning situation perspectives, objects, ideas, ways of communicating and information that are familiar to them, and reflect upon their own experiences and interests  
*the new* – learners are immersed in new situations or information, observing or taking part in something that is new or unfamiliar
- Conceptualising: *by naming* – learners group things into categories, apply classifying terms, and define these terms  
*with theory* – learners make generalisations by connecting concepts and developing theories
- Analysing: *functionally* – learners analyse logical connections, cause and effect, structure and function  
*critically* – learners evaluate their own and other people’s perspectives, interests and motives
- Applying: *appropriately* – learners try their knowledge out in real-world or simulated situations to see whether it works in a predictable way in a conventional context  
*creatively* – learners make an intervention in the world which is innovative and creative, distinctively expressing their own voices or transferring their knowledge to a different context



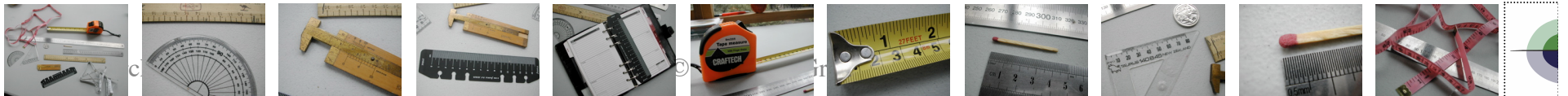
teacher-as-designer  
connecting practice and theory



mindful  
premeditated  
reflective  
...designs-for-learning



The idea of a pedagogical toolbox...



**Experiencing the known & the new**



**'On the Road' Stream of Consciousnesses Reflections on New Experiences**

# Conceptualising by naming & theorizing

Use a concept organiser

Explain events in nature?

Develop a metalanguage

Use deductive reasoning

Create a glossary

Explain social patterns?

Classify by concept

Develop a taxonomy

Label a map or diagram

Develop theories for human behavior

Name an image and its parts



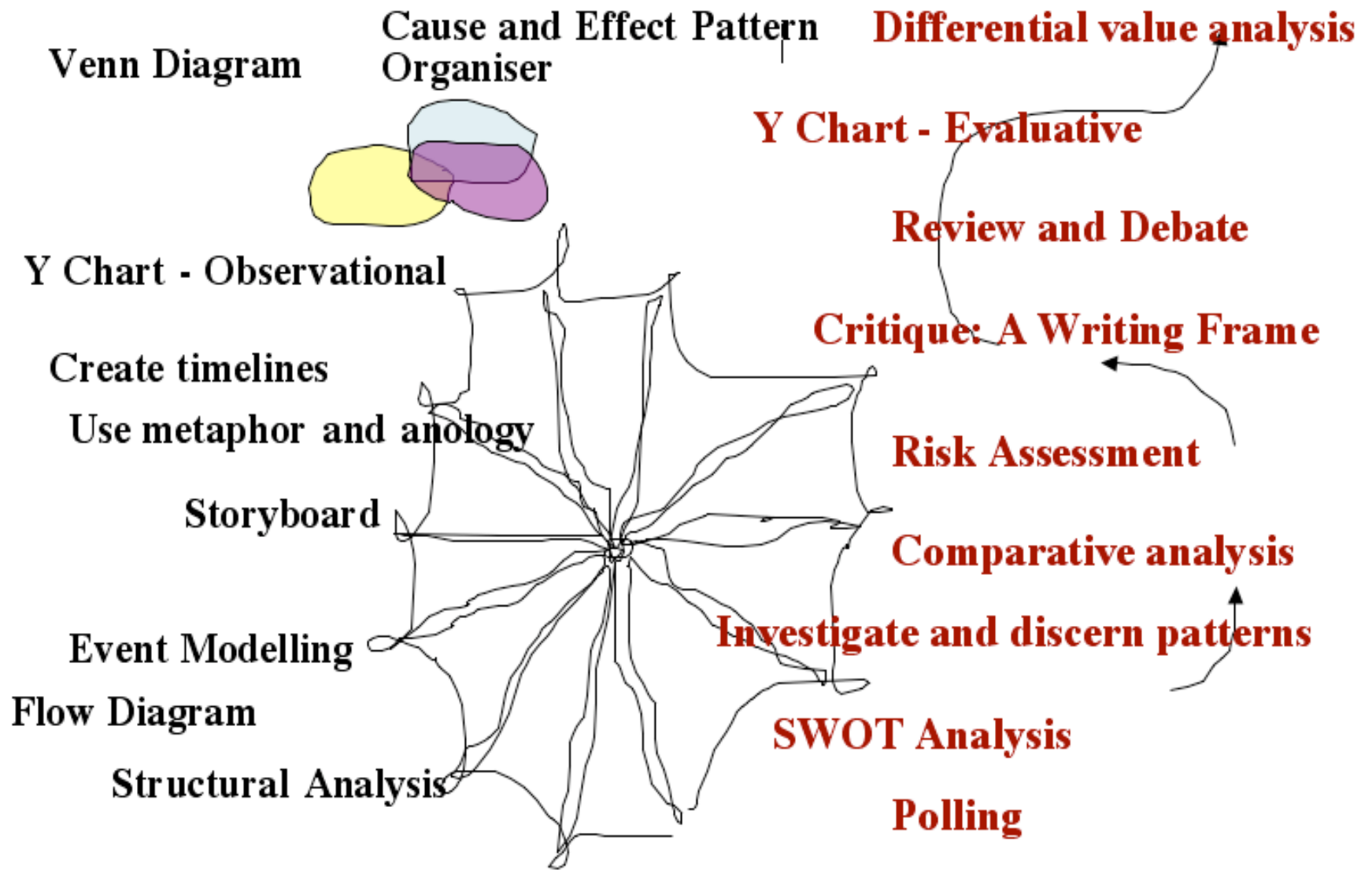
Use inductive reasoning

Construct a theory or formula

Create a classification system

Use deductive reasoning

# Analysing functionally & critically





# Applying appropriately & creatively

Identify contexts in which certain actions are appropriate



**Problem solving**

**Apply skills as learned**

**Hypothesis testing**

**Predicting outcomes**

**Build according to the directions & specifications**

**Experimenting**

**Conflict Resolution**

**Decision Making Strategy**

**Kinaesthesia**

**Knowledge Transfer**

**Problem Defining**

**Invention**

**Personal Action Plan**



**Scenario Cafe**

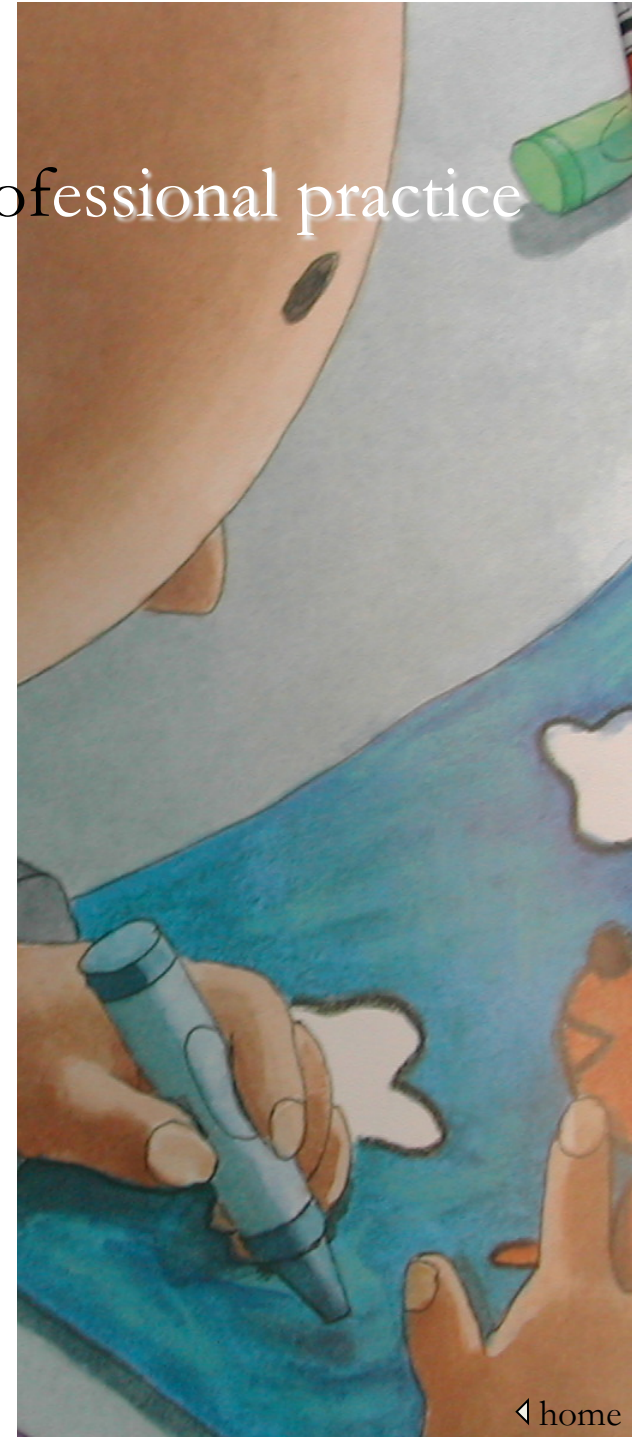
**Lateral Thinking**

**Action Research**



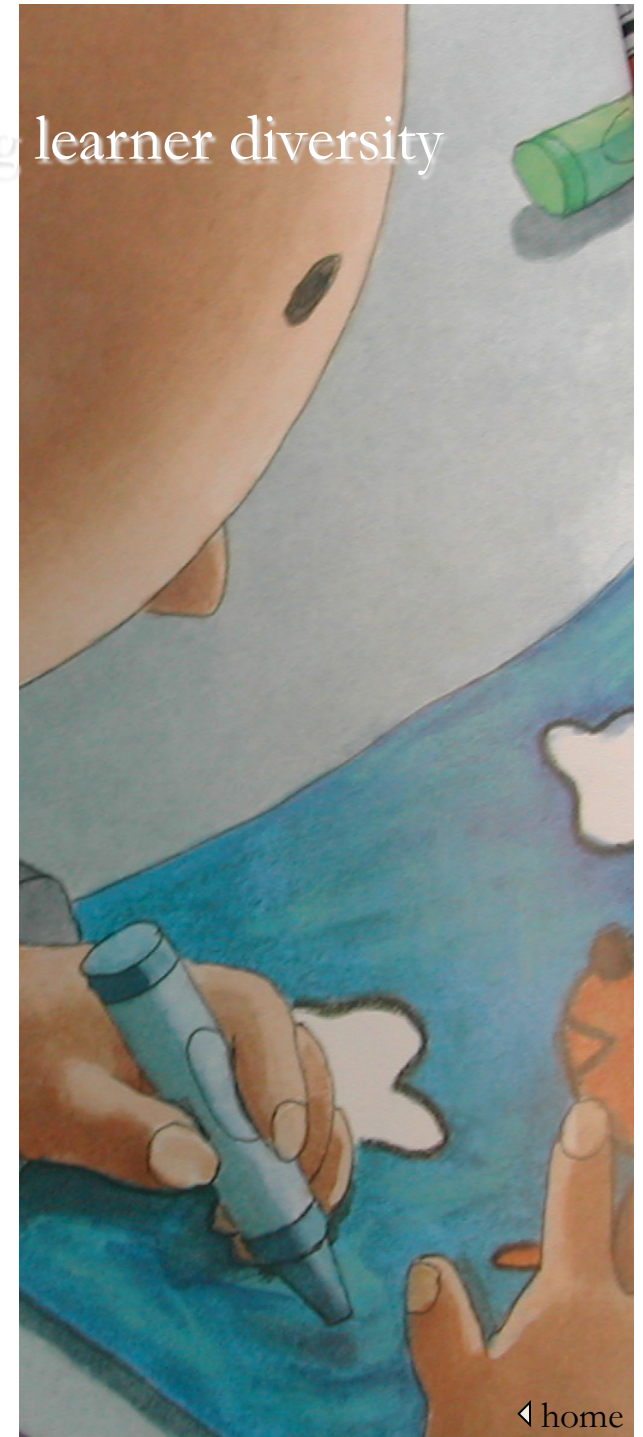
# The 'Learning Element' - a scaffold for professional practice

- Teachers creating **sharable** learning content
- **Teacher** talk and **learner** talk
- A **planning tool** and/or learning resource
- From personal knowledge to **common knowledge**
- **Pedagogical alternatives** and 'crosswalks'
- **Transparency** and **accountability**
- Different kinds of '**efficiency**' (more work in some respects; less in others)



## The 'Learning Element' - a means of addressing learner diversity

- **Flexible** learning delivery - drawing on a bank of learning elements;
- Defining **prior learning**;
- The **knowledge processes** bring diversity into the classroom: **experiencing** (the known and the new), **analysing** critically, **conceptualising** (by naming and theorising) **applying** (appropriately and creatively);
- Knowledge processes as **a collaborative journey**, learning as **transformation**;
- **Negotiating** learning pathways.





# LEARNING by DESIGN

Social Media Tools for Creating and Sharing Learning Designs

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Learning Elements: [Mine](#) [Create](#) [Search](#) [Published](#)

## Weaving a narrative into an information text in Wolves by Emily Gravett: Activities

[Add new activity](#) [Delete current activity](#) [Assign to Objectives](#) [Assign to Assessments](#) [Assign to Modes](#)  
[Overview with Objectives](#) [Overview with Assessments](#)

- Description
- Focus
- Learning Standards
- Objectives
- Activities: Processes
- Assessments: Outcomes
- Pathways
- Modes
- Set Copyright
- Manage Files
- Collaborators
- Show
- Purpose
- Resources
- Teaching Tips
- Pre-required
- Reflections

**Current Activity** [Edit Teacher](#) [Edit Student](#) [Edit Both](#)

[Update Information](#)

**Process:**

### Teacher short description:

### Teacher long description:

The following activities value the prior knowledge of students and build their background knowledge of the text.

Use a noisy round robin to discover all the facts students know about wolves and rabbits. Include 3/4 rotations as students will find there is not much more to add.

Sorting the words into facts and opinions is important so that reading the text students will understand how factual texts can include opinions, attitudes and imaginative ideas through the images.

**B I U ABC** | | | |

|

| | |

[Update Information](#)

### Student short description:

### Student long description:

Make a word web of all the words you know about wolves and rabbits. Pass these on to another group so they can add some more words while you add words to another group's web. Do this 3 or 4 times. When you get your web back sort the words into facts and opinions.

Make a list of all the ways you could find out more information about wolves and rabbits if you wanted to. Share your ideas with the class and extend your list when you hear an idea you don't already have.

How do you borrow books from the library? What else can you borrow from the library

**B I U ABC** | | | |

|

| | |

### Overview

- [Frontloading wolves and rabbits](#)
- [Reading and responding to Wolves by Emily Gravett](#)
- [Online and audio texts](#)
- [Exploring how the words and pictures work separ...](#)
- [Exploring the effectiveness of the words and pi...](#)
- [Field, tenor and mode](#)
- [Point of view](#)
- [Text innovations](#)

Drag icon to reorder



Analysing a Children's Television Phenomenon:  
Using Hi5 as a Teaching Resource



*Anne Cloonan*



Being a TV Presenter



*Anne Cloonan*



Hi5 has been chosen as a focus because of its popularity with young children. Not only is there the television program. There is also a whole series of related merchandising items and promotional activities. Merchandising items include videos of the program, books, games, jigsaw puzzles and clothing. Related promotional activities include concerts and guest appearances at shopping malls. Hi5 is an Australian production which has been sold internationally.

***Knowledge Domain***

Literacy, SOSE,

***Scope of Learning***

Media - Children's Television Programming

***Learning Level***

Prep to Year 2



We will be learning about:

- Who's in Hi5.
- What they do.
- Hi5 things.
- Who likes Hi5.
- How to make a television program.

***Our Subject:***

**Literacy**

***Our Topic:***

**Children's Television**

***Our Class:***

Prep, Year 1 or Year 2





### Learning Activity 1.1: Identify What Children Know About Hi5

Draw on the students' prior knowledge, life experience and community background to elicit their knowledge of the Hi5 group, programs and associated merchandise and promotion. This may include their knowledge of:

- the television program.
- the characters.
- the singing group who perform at concerts.
- the products and promotional activities.
- the webpage.

Ask the students to draw/write what they know about Hi5. Within shared writing, model a graphic organiser incorporating students ideas - words and symbols.

Some students may not have heard of Hi5 or not be familiar with Hi5. In that case, ask them to draw/write about a program they know and like.

Identify why the children like Hi5 (or another children's television program). Is there anything they don't like about it? What?



### Activity 1.1: What Do You Know About Hi5?

Who likes Hi5? Draw or write what you know about Hi5.

If you've never heard of Hi5, draw or write about your favourite children's television program.

Do you like Hi5? If you do, what do you like about it? If you don't, what is it that you don't like about it?



country, or an older program that has now gone out of fashion.

Discuss other TV shows that follow a similar format:

- Their themes.
- Their characters
- Their settings: studio/ real life/cartoon.
- Their segments (e.g. art; drama; etc)



### Learning Activity 3.1: Surveying the Most Popular Hi5 Character

Students survey a sample of those who like Hi5 by asking:

- Which character do you like the best?


Make a large wall mural, to which students add their names. Children could use standard sized cards to write their names on - producing a standard graph.

Students analyse attitudes:

- Which character is the most popular?
- Why do you like him/her?
- What do other people think?



### Activity 3.1: Favourite Characters

Character	Favourite Character of ...
 Tim	

*etc.*

- \_\_\_ **people like Tim best**
- \_\_\_ **people like Charlie best**
- \_\_\_ **people like Kathleen best**
- \_\_\_ **people like Nathan best**
- \_\_\_ **people like Kelly best**



### Learning Activity 4.1: Exploring Hi 5 Merchandising

Ask students to research examples and collect evidence of Hi5 commercial material. Collect advertising material. In shared writing on large paper, incorporate these examples into a graphic organiser. This process can be continuous throughout the Learning Element.

*(Products include books, tapes, CDs, books, clothing, bags, toys such as cards, play dough, dolls, etc.)*

Ask students:

- Do you have any Hi5 things ... which ones?
- What do you do with the different things?
- What products have you seen in the shops? In catalogues? On television? On the Hi5 Website?

Add to the organiser as students discover new products.



### Activity 4.1: Hi5 things.

What Hi5 things can you see here?



What other Hi5 things can you buy?

Draw/write/paste here Hi5 things that you can buy.





### Learning Activity 5.1: Analysing Another Children’s Television Program

With students, watch a Playschool program. Identify the program structure:

- What are the topic segments?
- Who are the characters?
- What is the use of studio and out of studio segments?

Compare and contrast the structure and characters of a Playschool program with Hi5 programs.



### Learning Activity 5.2: Creating a Children’s Television Program Segment

Invite students to create their own storyboard concept for a TV segment.  
 Discuss considerations of format, characters, settings and merchandising.  
 Students can pitch the idea by acting out a segment of the program for the class.

Video and discuss the segment.



### Activity 5.1: Look at Playschool

Draw/write a storyboard of what happens in the Playschool program.




### Activity 5.2: Make a TV Program!

**Title of Program:**

Draw/write a storyboard of what happens in your program.


TEACHER RESOURCE



A sporting Chance: Students plan and organise the junior school sports Carnival.

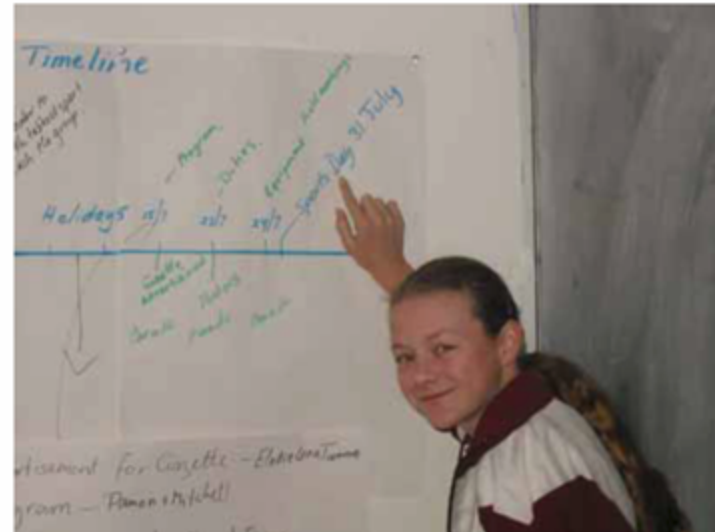


*Terri Barker*

LEARNER RESOURCE



Plan and organise the Grovely State School Junior Sports Carnival.



*Terri Barker*



Has media and technology changed children's play?



*Jodie Armstrong*

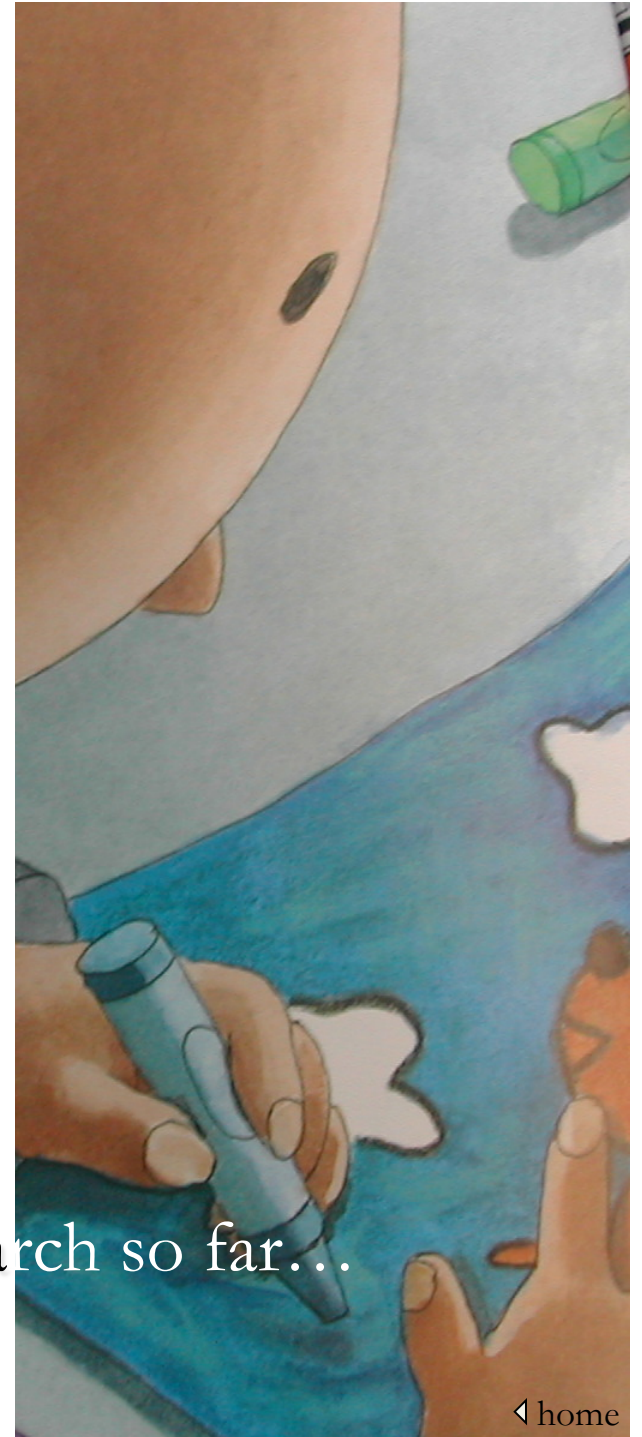


Child's Play



*Jodie Armstrong*

the research so far...



## Research Findings (1): Anne Cloonan, Victoria

‘The drafting (and re-drafting) of learning activities was not a simple case of planning a unit of work. This template (call it a framework or a heuristic) was prompting me to **consider aspects of pedagogy in a new light**. I had a sense of being involved in a number of dimensions of **professional learning simultaneously**; a kind of **juggling act** where I was trying to keep a number of balls aloft.’

‘Much more than planning documents, they provide the individual with a means for **mapping, reflecting** and **evaluating pedagogical practices**.’

**Choices became clear**- including routines that were repetitive and behaviour management rather than about knowledge building.

‘From a profession-wide perspective, they offer exemplars on which to focus **teacher dialogue and critique**.’

‘A **knowledge bank** from which the profession can borrow, or contribute to, and in so doing, learn.’





## Research Findings (2): Mary Neville, Queensland

The template raised three challenges for the teachers:

‘The first was the need to acknowledge the interests and **prior life experiences** of their students.’

‘Second, was a need to analyse the types and ranges of **multimodal texts** they were using.’

‘The third challenge was to consciously reflect upon their teaching practices to ensure that all **knowledge processes** were being covered over an extended period of time, instead of running the risk of favouring a few.’

‘I realise that we all have to be **lifelong learners**. By being in this project it makes you think how fast education is moving especially **older teachers** need to keep up with what’s happening. I think even though I’ve been teaching for over 30 years we’re learning so much faster now and we really have to keep up with things.’

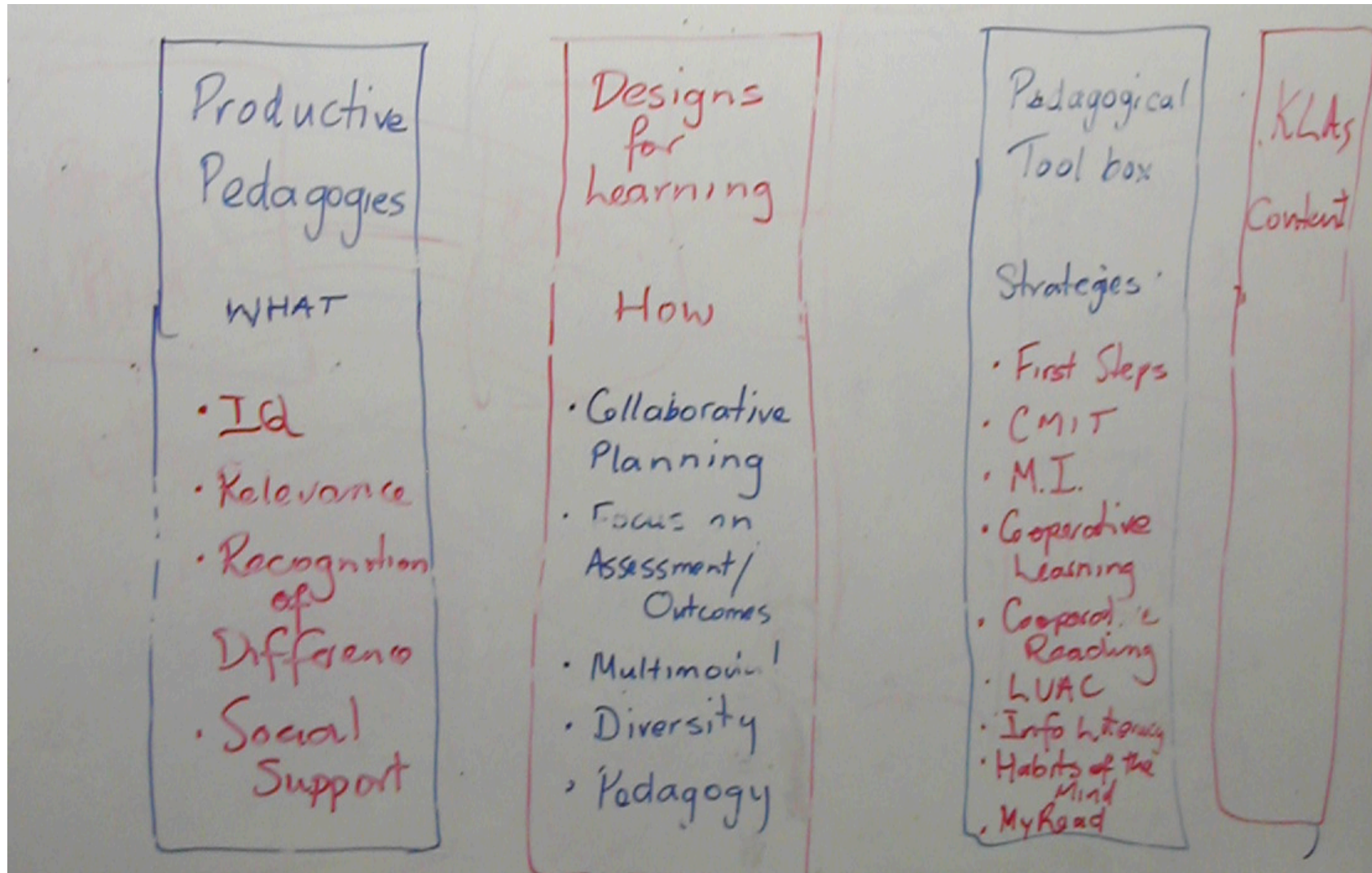
## Research Findings (3): Rita van Haren, ACT

- ‘The L-by-D framework supports teachers to **address diversity and inclusivity**.  
The focus on reading multimodal texts means technology becomes the tool rather than the content of the learning.’
- ‘Provides a strong **sense of ownership** for ACT teachers and places teachers alongside other professions like medicine, dentistry, engineering and law ...’
- ‘Teachers liked the way “it makes you more **conscious of including multimodal texts** and learning” and “it has given me an opportunity to improve on a positive classroom environment and engage more students”.
- ‘Beginning teachers commented that they enjoyed a more detailed approach to planning and the extra effort was “an **investment** as the end product was worth the work.”’
- ‘They felt the framework was sequential but allowed “a certain amount of **flexibility and individual interpretation**”, and once teachers were comfortable with the language the framework does become user-friendly and “a good motivator for teachers and students”.



# Learning-Teaching Model

Crosswalks - a mapping of strategy, tactics and tools...



the whiteboard plan of Michael Hall & Rita van Haren - Lanyon Cluster of Schools ACT

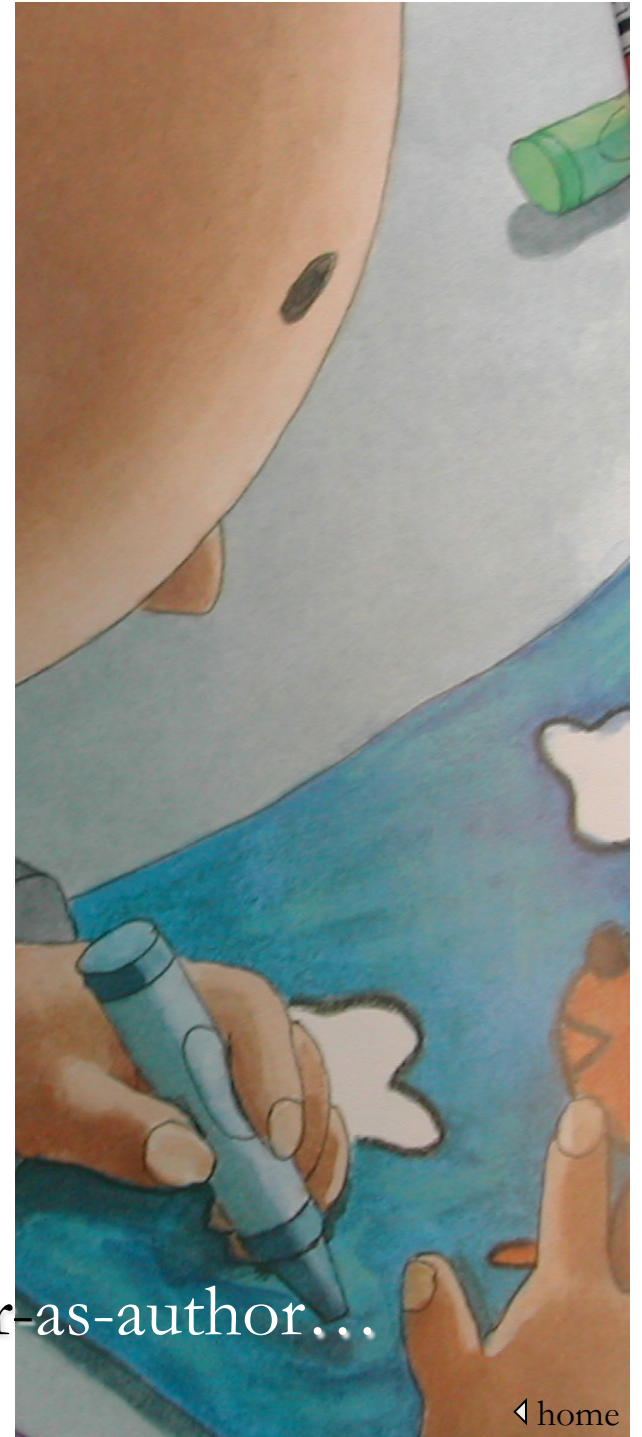


## Seven ways to address learner diversity...

1. Identify and **define prior knowledge** so learning is appropriate for individuals and groups;
2. Adopt a **flexible approach** to learning delivery by drawing on a bank of Learning Elements from different sources;
3. Use a **variety of knowledge processes** to bring diversity into the classroom and enrich student learning;

4. Apply **different emphases and mixes** of knowledge processes as appropriate to suit different ‘learning orientations’;
5. Identify and **negotiate learning pathways** as appropriate to students interests and dispositions;
6. **Change direction of the knowledge flows** toward a more active view of learning – learning-as-engagement;
7. **Change the balance of command and responsibility** – allow learners to take more control.

Teacher-as-author...



the teacher-as-author – a movement from isolated classroom practice and consumer of mass-produced knowledge to a new role as **knowledge creator** and **knowledge purveyor**...

TEACHER RESOURCE



Reality TV  
Morality and Ethics of Popular Television



*Ed Cuthbertson and Rebecca Cusick*

LEARNER RESOURCE



Reality TV  
Popcorn for the Hungry



*Ed Cuthbertson and Rebecca Cusick*



Reality TV  
Morality and Ethics of Popular Television



*Ed Cuthbertson and Rebecca Cusick*

What happens when the teacher begins to **produce** rather than consume knowledge?

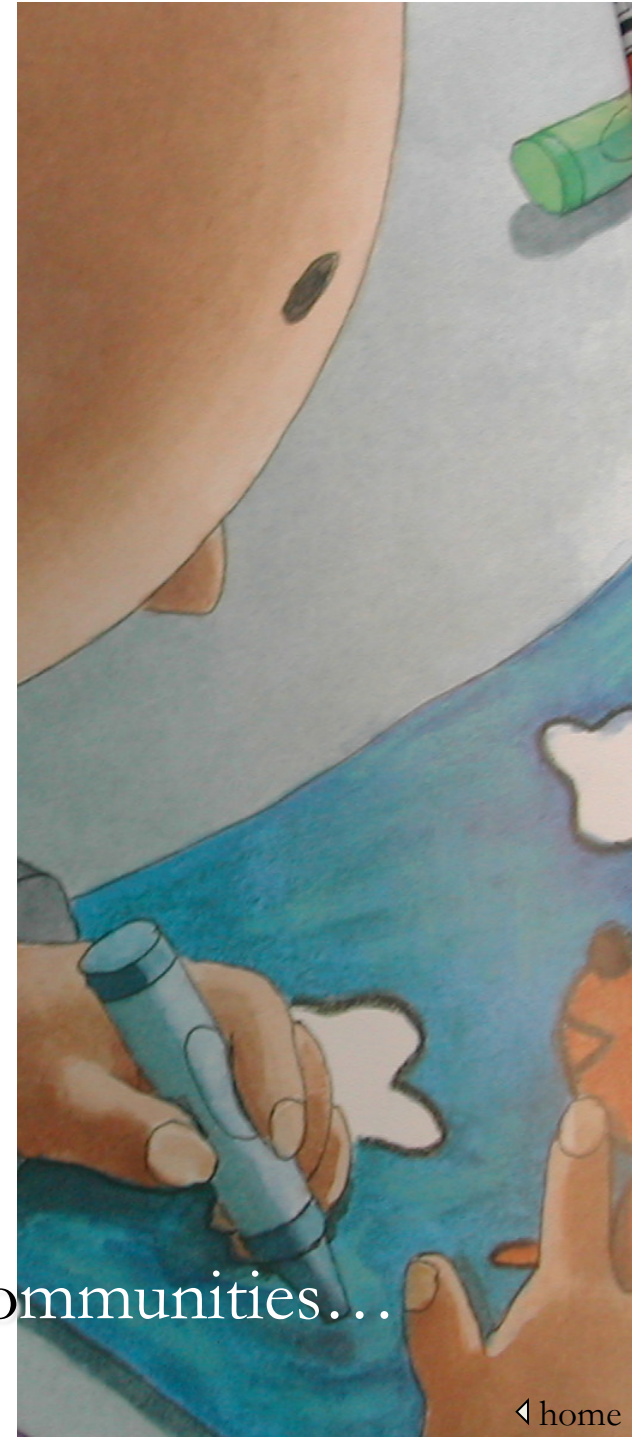
How will teachers **cope** with the movement from private to **public practice**?

How will we ensure the **quality** of published work?

Just because teachers can author, publish and share their teaching practice **will others use** these resources?

Why should teachers want to be **authors** as well as teachers?

Schools as knowledge producing communities...





# LEARNING by DESIGN

Social Media Tools for Creating and Sharing Learning Designs

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## Public Learning Elements

Number to View: [10](#) [50](#)

Select a Language:

### Problematising zoos through Zoo by Anthony Browne

by [Rita van Haren](#)



*Description:*

Students explore the visual and linguistic features of *Zoo* by Anthony Browne to understand how authors and illustrators make choices to position readers. They learn about the structure and language features of persuasive texts and produce a range of their own persuasive and creative multimodal texts.

*Discipline:* English

*Topic:* Issues related to zoos, critical literacy, reading strategies and persuasive writing

*Prior knowledge:* Writing short persuasive texts (PECs), modal verbs, simple, compound and complex sentences

*Age range:* 12-13

*Publisher:* Lanyon Cluster of Schools

Teacher + Student  Teacher  Student as:  Web page  Printout

### Refugees and Immigration

by [Dominic Nixon](#) and [Natalie Stoewer](#)



*Description:*

*Discipline:* English and Studies of Society

*Topic:* Persuasive writing

*Prior knowledge:*

*Age range:* 10-12

*Publisher:* Self-published

Teacher + Student  Teacher  Student as:  Web page  Printout

### Animal Farm: Politics and Power

by [Jennifer Nott](#)



*Description:*

This learning element is based upon the novel *Animal Farm* by George Orwell. It focuses upon the abuse and influence of power within political systems.





# ΜΑΘΗΣΗ

μέσω ΣΧΕΔΙΑΣΜΟΥ

Μάθηση μέσω Σχεδιασμού - Εργαλεία Κοινωνικής Δικτύωσης για τη Δημιουργία και την Κοινή Χρήση Μαθησιακών Σχεδιασμών

[Σύνδεση](#) [Εγγραφή](#) [Υποστήριξη Email](#) [Σχετικά](#) [Αρχική Σελίδα Μ-μ-Σ](#) [Βοήθεια](#)

## Δημοσιευμένες Μαθησιακές Ενότητες

Αριθμός διαθέσιμων Ενότητων **10** **50**

Επιλέξτε Γλώσσα:  Επιλέξτε Γλώσσα

## ΕΛΕΓΧΟΣ ΓΕΝΝΗΣΕΩΝ-ΟΙΚΟΓΕΝΕΙΑΚΟΣ ΠΡΟΓΡΑΜΜΑΤΙΣΜΟΣ

από [Ευαγγελία Μπαζούκη](#)



### Περιγραφή:

Η έναρξη της σεξουαλικής ζωής ενός ανθρώπου πρέπει να συνοδεύεται και από την έναρξη χρήσης κάποιας μεθόδου αντισύλληψης. Καλή γνώση του αναπαραγωγικού συστήματος οδηγεί στην κατανόηση της λειτουργίας της καθεμιάς μεθόδου. Η μελέτη των μεθόδων αντισύλληψης οδηγεί στην επιλογή της πλέον κατάλληλης, η οποία θα συνδυάζει αξιοπιστία και εξασφάλιση της υγείας.

Γνωστικό πεδίο: ΒΙΟΛΟΓΙΑ Α' ΛΥΚΕΙΟΥ  
Θέμα : ΜΕΘΟΔΟΙ ΑΝΤΙΣΥΛΛΗΨΗΣ  
Προηγούμενη γνώση: ΛΕΙΤΟΥΡΓΙΑ ΑΝΑΠΑΡΑΓΩΓΙΚΟΥ ΣΥΣΤΗΜΑΤΟΣ  
Ηλικία: 15-16  
Εκδότης : Self-published

Εκπαιδευτικός + Μαθητής  Εκπαιδευτικός  Μαθητής ως:  Ιστοσελίδα  Εκτύπωση

## "Τα παιδιά παίζει"

από [Ευρύκλεια Παναγιώτου](#) [Αφροδίτη Πανταζοπούλου](#)



### Περιγραφή:

Μέσα από αυτό το project οι μαθητές αντιλαμβάνονται τη **διαχρονική αξία του παιχνιδιού**, ερχόμενοι σε επαφή τόσο με παιχνίδια του παρελθόντος όσο και με παιχνίδια του παρόντος. Επιπρόσθετα αντλούν τα δικά τους συμπεράσματα για την **οικονομική και κοινωνική κατάσταση** της Ελλάδας του **χθες** και του **σήμερα**.

Γνωστικό πεδίο: Νεοελληνική Γλώσσα  
Θέμα : Ελεύθερος χρόνος και ψυχαγωγία  
Προηγούμενη γνώση: Δεν απαιτείται  
Ηλικία: 12-14  
Εκδότης : earvanitis

Εκπαιδευτικός + Μαθητής  Εκπαιδευτικός  Μαθητής ως:  Ιστοσελίδα  Εκτύπωση

## Τα έθιμα του γάμου στην νοτιοανατολική Κρήτη (Άγιος Στέφανος, Μακρύ Γιαλός)

από [Αμαλία Πλευράκη](#) και [Κατερίνα Ριζωνάκη](#)



### Περιγραφή:

Οι μαθητές μέσα από την διαδικασία αυτή θα προσεγγίσουν την επιστήμη της Λαογραφίας εντρυφώντας στα έθιμα προετοιμασίας και τέλεσης του Κρητικού γάμου.

Γνωστικό πεδίο: Λαογραφία  
Θέμα : Κρητικός Γάμος  
Προηγούμενη γνώση: Δεν απαιτείται  
Ηλικία: 17-18  
Εκδότης : Self-published



# LEARNING by DESIGN

Social Media Tools for Creating and Sharing Learning Designs

[Logout wscope](#) [Account](#) [Profile](#) [Translations](#) [Email support](#) [About](#) [L-by-D Home](#) [Help](#)

Learning Elements: [Mine](#) [Create](#) [Search](#) [Published](#)



## Rita van Haren

*Position:* Curriculum Developer

*Organization:* Common Ground Publishing, Illinois, USA

*Biography:*

From 2004-2013, before coming to Common Ground Publishing, I worked with teachers in a cluster of three Australian schools, two primary schools and one high school, focusing on curriculum and pedagogy. My interests are inclusivity and literacy, particularly teaching reading. In 2007 I completed a masters of education at FMIT University in Melbourne researching how Learning by Design addresses diversity. In 2010 I completed a second masters of education, New Learning, New Literacies, at the University of Illinois. I am also involved in the Australian English teaching professional associations, ACTATE and AATE.

## Authored Learning Elements

### Weaving a narrative into an information text in Wolves by Emily Gravett

by [Rita van Haren](#)



*Description:*

This learning element focuses on a multimodal text which combines a narrative text and an information text. Students read and respond to the text, drawing out similarities and differences, and analyse the visual and linguistic grammar of the text. Students then create their own multimodal texts.

*Discipline:* English

*Topic:* A literacy study for 9-12 year olds

*Prior knowledge:* Other stories, including traditional fairy tales; how to reference a text using the Harvard style.

*Age range:* 9-12

*Publisher:* Lanyon Cluster of Schools

Display

Teacher + Student

Teacher

Student

as:

Web page

Printout

### Writing Creatively

by [Rita van Haren](#), [Prue Gill](#), [Rachael Radvanji](#), and [Anne Dunn](#)




*Description:*

This learning element explores creative writing through a range of experiential writing, viewing and reading activities. It includes identifying the key elements of successful writing and critically reflecting on writing. Through cooperative activities students build confidence to share their writing with their peers.

*Discipline:* English

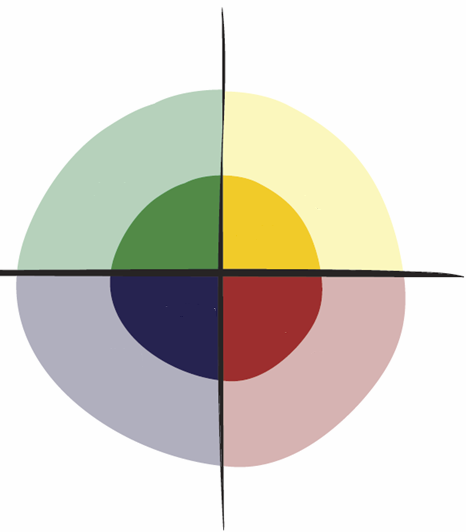
*Topic:* This learning element explores creative writing through a range of experiential writing, viewing and reading activities. It includes identifying the key elements of successful writing and

March 13

So... 

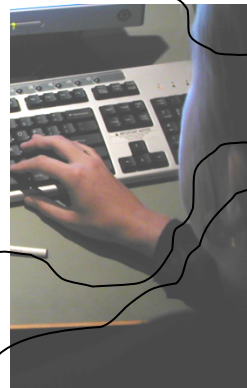
how is all this... 

tied together? 



# the learning-by-design project

pedagogy - the knowledge processes

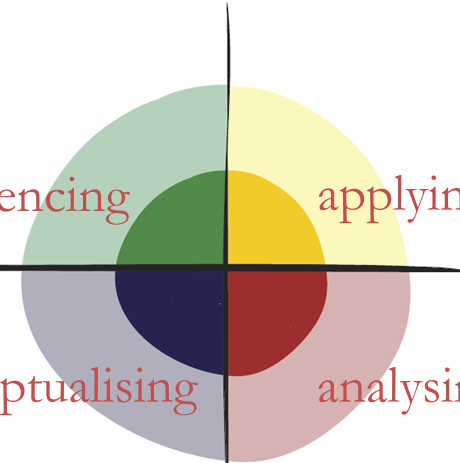


experiencing



applying

conceptualising

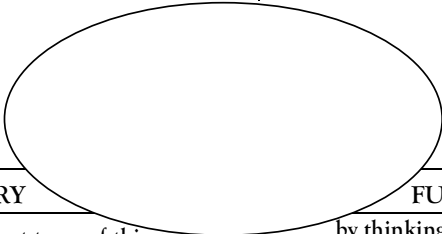
analysing



Learning Element

TEACHER RESOURCE	LEARNER RESOURCE
Reality TV Morality and Ethics of Popular Television	Reality TV Popcorn for the Hungry
	
<i>Ed Cuthbertson and Rebecca Cusick</i>	<i>Ed Cuthbertson and Rebecca Cusick</i>

learning as transformation

<b>the KNOWN    EXPERIENCING    the NEW</b>		<b>APPROPRIATELY APPLYING    CREATIVELY</b>	
<b>by being in the student's world</b> <i>Drawing on learner prior knowledge and experience, community background, personal interests, concrete experience, individual motivation, students' own lives, and the everyday and familiar.</i>	<b>by being in new worlds</b> <i>Introducing learners to new experiences – real (excursions, guest speakers) or virtual (texts, images, information). New is from learner's perspective - to make sense it may have familiar elements.</i>	<b>by doing things the right way</b> <i>Acting upon knowledge in an expected, predictable or typical way based on what has been taught. It involves transformation of the learner and requires that they have opportunities to demonstrate their understanding and learning.</i>	<b>by doing things in interesting ways</b> <i>Doing things in interesting ways by taking knowledge and capabilities from one setting and adapting them to a different setting – taking something out of its familiar context and making it work somewhere else.</i>
			
<b>by NAMING    CONCEPTUALISING    with THEORY</b>		<b>FUNCTIONALLY ANALYSING    CRITICALLY</b>	
<b>by connecting the same type of thing</b> <i>Identifying new concepts/ideas/themes, including abstract, generalising terms, conventions, features, structures, definitions and rules. Naming is the first step toward understanding.</i>	<b>by connecting different types of things</b> <i>Generalising and synthesising concepts by linking them together, making sense of how they contribute to the whole, generalising cause and effect relationships. What if...?</i>	<b>by thinking about what something does</b> <i>Examines the function or rationale of knowledge, action, an object or represented meaning. What is it for? What does it do? How does it work? What is its structure, function or connections? What are its causes/effects?</i>	<b>by thinking about who benefits</b> <i>Interrogates human purposes, intentions and interests of knowledge, an action, an object or represented meaning. What are its individual, social, and environmental consequences? Who gains? Who loses?</i>