



Planning & Assessment

Islington computing leads



Jane Waite

Handout 1

Katy game me a problem to help with

- Teachers are finding assessment of computing difficult.
- Can we find out what aspects and how to help.

Handout 1

Approach

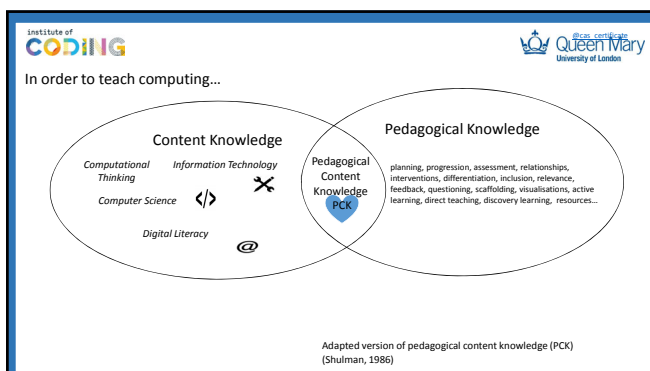
1. Ask you what is most difficult
2. Provide a means to review assessment for computing - PCK
3. Evaluate computing planning and assessment using PCK
4. Gather and suggest assessment approaches and how these can be supported.

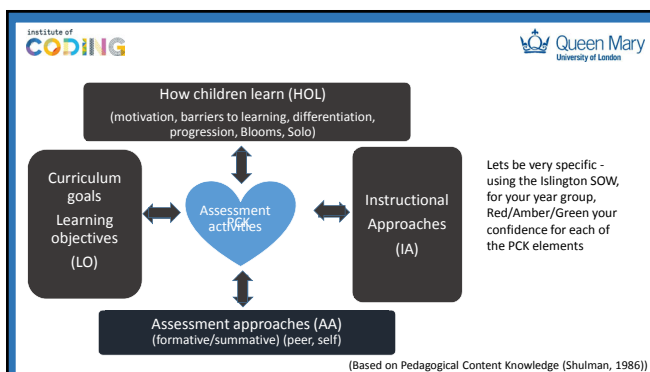
Institute of CODING **Queen Mary University of London**

Is assessment more difficult:

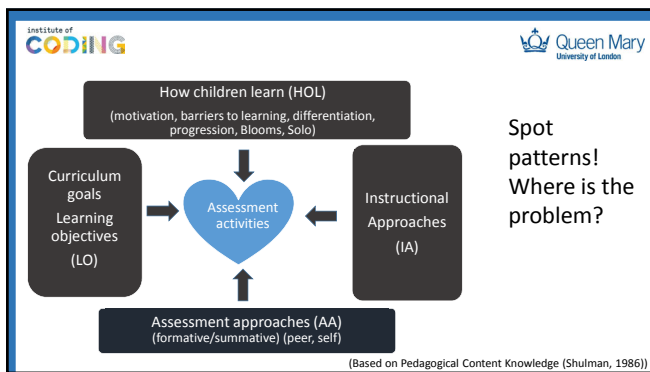
- For IT, DL or CS?
- For a particular year group?
- Formative or summative?
- For computing than other subjects?

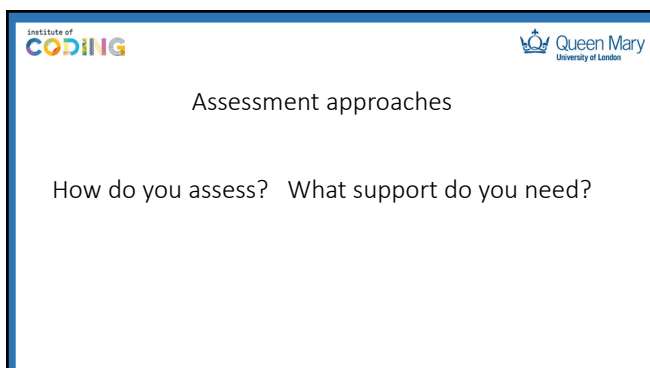
Lets vote!





Islington Computing LO IA HCL AA					
Year 5	Housekeeping: Logging onto computers/devices Using LGfL username and password in school and at home Accessing subscription services such as PurpleMash, Google Classroom LO IA HCL AA	Programming: PurpleMash 2Code Code.org Scratch Islington Y5 Unit 1 (Q1a2) SQCIT Kodu Unit LO IA HCL AA	Multimedia & Word processing: Choose from a range of packages to create presentations. Organise, refine and present information for a specific audience. (LGfL, J2E, Publisher, PowerPoint, Word, Scratch 2Create) Evaluate their own and each other's work through peer assessment (Publish and add comments on blog) Develop confidence using both hands when typing Create range of genre using Book Creator incorporating multimedia Online quiz generator (e.g. Kahoot!)	Communication & Collaboration Online publishing: creating and commenting on each other's blog/work (see 'blogging Unit' planning) Visit a variety of school blogs, discuss & compare Online research: use search technologies effectively including copyright Complete an online quiz or survey, e.g. LGfL e-safety survey LO IA HCL AA	Digital Media Graphics: Creating digital artwork and interactive webpages for blog (J2E on LGfL) Video & Sound: Film project in groups (plan a video, use different filming techniques and sound effects, present and evaluate work to audience) - iMovie, Movie Maker, Audio Network, GarageBand Music/Code: Radio Program project (listen, evaluate, plan and write a script, rehearse and record voice. Create and add backing track and sound effects.) Audacity, Audacity 4. LO IA HCL AA
	Unit 5.1 - We are Year 5 rule writers Reviewing and editing our online safety rules Network Hunt Viking Raid Animation LO IA HCL AA	Unit 5.2 - We are responsible for our online actions Understanding the importance of using the internet safely Investigating Inputs (Scratch) Investigating Outputs LO IA HCL AA	Unit 5.3 - We are content evaluators Understanding advertising and marketing strategies to influence our choices Maths Quiz - Selection (Scratch) Solar System Simulation (Scratch) LO IA HCL AA	Unit 5.4 - We are protecting our online reputation Understanding and protecting our online reputation Kodu Tasker Use selection (Kodu) LO IA HCL AA	Unit 5.5 - We are respectful of copyright Understanding and protecting our online reputation Maths Quiz - Variables (Scratch) LO IA HCL AA
Unit 5.6 - We are game changers Understanding how games developers make decisions Classroom Sound Monitor (Scratch) LO IA HCL AA					





Assessment Approaches		Which do you use?
Approach	Supported by	
Direct questions	Key Questions	What do you need help with?
Observations	Checklists (assessment grids) ✓	
Assess work	Example material to compare to (met-, met, met+)	What is missing?
Quizzes/Tests	Sample answers/ differentiated versions	
End of topic tasks	Assessment grids ✓ Moderation opportunities	
Peer/Self assessment	Pupil I can statements Pupil booklets ✓ I can cards ✓	

Islington Computing
</> Computer Science

National Curriculum (by the end of KS2)

Unplugged:

- ✦ Solve problems by decomposing them into smaller parts
- ✦ Use logical reasoning to explain how some simple algorithms work

Coding/Programming:

- ✦ Detect and correct errors in algorithms and programs
- ✦ Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems
- ✦ Use sequence, selection and repetition in programs
- ✦ Work with variables
- ✦ Work with various forms of input and output

Key Skills/Objectives:

- I can plan and enter a sequence of instructions or a robot/sprite to achieve specific outcomes
- I can test and improve/debug programmed sequences
- I can use loops (repeat/forever) to achieve solutions to tasks
- I can use computational thinking to solve open ended problems
- I can talk about algorithms planned by others and identify any problems and the expected outcome
- I can explain how algorithms work, predicting outcomes and debugging

Are the booklets working?
If not why?

Institute of CODING

Queen Mary University of London

Assessment Yr 3-4 Scratch (Drawing shapes and Etch-a-Sket)

Name: _____

Skills and success Criteria	Your Marks	Teacher Assessment
I can create new sprites	😊😊😊😊😊	
I can upload different backgrounds	😊😊😊😊😊	
I can use the _____ block to start the algorithm running	😊😊😊😊😊	
I can use loops or _____	😊😊😊😊😊	
These are some of the blocks that tell the program to repeat things:	😊😊😊😊😊	
I can create simple algorithms to draw shapes on the screen	😊😊😊😊😊	
I can move or direct the sprite.	😊😊😊😊😊	

In Computing I can...

Pupil Assessment:

Computers: ☐ I can recognise how others use technology outside of school



Using computer: ☐ I can find, open, edit and save files I am working on
☐ I can use different software programs and discuss the benefits of their use

E-Safety: ☐ I know I need to keep my personal information private
☐ I can predict the behaviour of a programme/sprite, clearly naming each action to part of an algorithm
☐ I can create a simple program to perform a task

Teacher Assessment:

Are the self assessment cards working?
If not why?

[illegible][illegible]



Queen Mary
University of London
Handout 1

Approach

1. Ask you what is most difficult
2. Provide a means to review assessment for computing - PCK
3. Evaluate computing planning and assessment using PCK
4. Gather and suggest assessment approaches and how these can be supported.
