







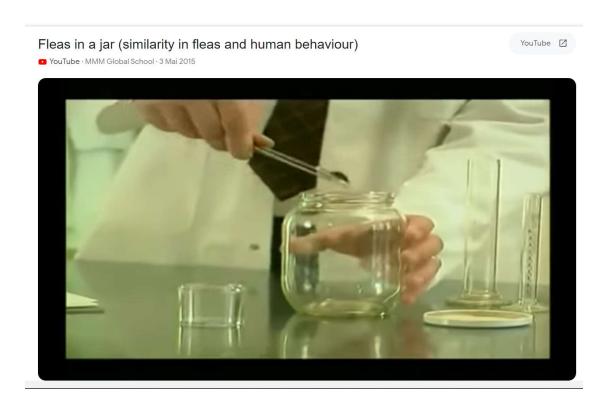


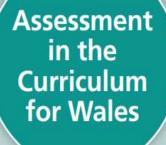






• <u>Fleas in a jar (similarity in fleas and human behaviour) - YouTube</u>





As schools consider assessment in Curriculum for Wales, they need to have regard for





The three roles of assessment:



Supporting individual learners on an ongoing, day-to-day basis

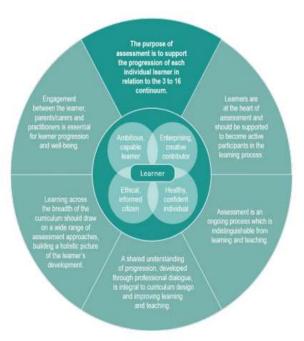


Identifying, capturing and reflecting on individual learner progress over time



Understanding group progress in order to reflect on practice

The purpose and principles of assessment:



It is vital that schools do not think about and plan assessment in isolation; assessing progression must be considered as part of curriculum design.

This supporting material sets out:

- » The roles and purposes of assessment in Curriculum for Wales
- » What assessment should and shouldn't do under Curriculum for Wales
- » Ideas for how schools can identify, capture and reflect on learners' progress over time
- » Questions and prompts to support the development of high-quality assessments

It draws and expands upon a range of guidance documentation:

Supporting Learner Progression: Assessment Guidance

Designing your Curriculum: developing a vision for curriculum design



When practitioners need to identify, capture and reflect on individual learner progress over time and understand group progress in order to reflect on practice, the principles of progression can be used as an organising framework for the considerations.

This can then be further supported by the practitioner's professional judgement as to the appropriateness of the pace of that individual learner's progress (in light of their expectations for that learner).

Assessment in the Curriculum for Wales

Supporting individual learners on an ongoing, day-to-day basis

Supporting individual learners on an ongoing, day-to-day basis should allow practitioners to respond to the individual needs of the full range of learners within their classroom. When designing a range of assessment methods and approaches, practitioners must consider carefully the inextricable link between the pedagogical understanding of curriculum design, progression and assessing progress.

Focus on the individual learner, identifying strengths and areas for improvement (and, where relevant, any barriers to learning).

Ascertain next steps required to move learning forward, including any additional challenge and support required.



Achieved by embedding assessment into day-to-day practice in a way that engages the learner and makes it indistinguishable from learning.

Establishing clear learning intentions which shape the learning activities (engaging learners in this process, where possible).

Reflecting on own practice to inform next steps in teaching and planning for learning.

Providing relevant and focused feedback that moves their learning forward and which actively engages learners, encouraging them to take responsibility for, and reflect on, their learning.

Evaluating learning, including through observation, questioning and discussion.

Creating a culture which promotes learner well-being through assessment practice.

As learners progress, supporting them to think about their own learning more explicitly, and develop their skills in planning, monitoring, and evaluating their learning.

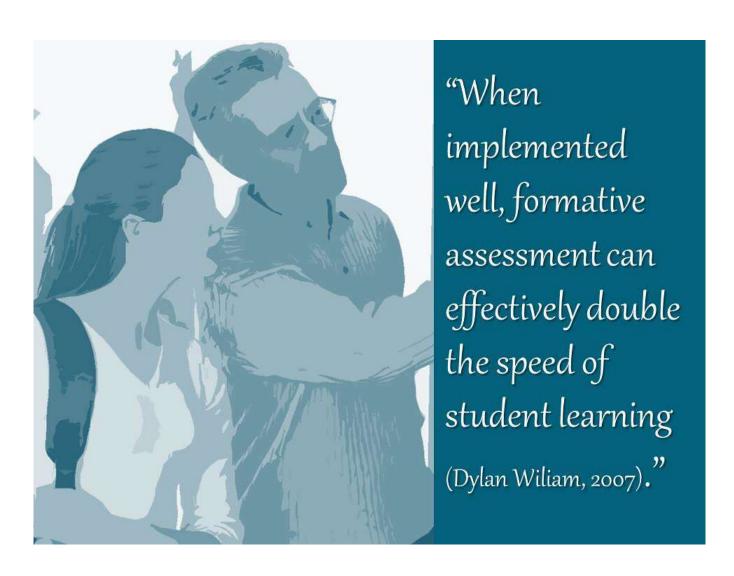


Assessment- Curriculum for Wales

- 'Assessment is essential to curriculum design. Its
 overarching purpose is to support every learner to make
 progress. Assessment should always focus on moving
 learning forward by understanding the learning which has
 already taken place and using this to ensure that each
 learner is challenged and supported appropriately,
 according to their individual learning needs.'
- 'It requires partnerships among all those involved, including the learner. It should recognise the individual learning needs and backgrounds of each learner and encourage a holistic view of each learner's development. Accordingly, both practitioner and learner should develop an understanding of how the learner learns and their attitude and approach to learning, in order to support them to continue to progress and to foster commitment to their learning.'



Why Assessment for Learning/ Formative Assessment?



FORMATIVE VS SUMMATIVE ASSESSMENT

FORMATIVE

- Occurs during the learning process
- Allows teachers and students to pivot their strategies mid-stream.
- Identifies areas for improvement.
- Gives opportunities for students to implement feedback.

SUMMATIVE

- Occurs at the end of the learning process
- Provides a final evaluation of knowledge and skills.
- High-stakes testing that often involves ranking of students.
- Provides students with a grade



Cydwalthio - Dysgu - Liwyddo Collaborating - Learning - Succeeding



FORMATIVE ASSESSMENT

FORMATIVE ASSESSMENT

FORMATIVE ASSESSMENT

FORMATIVE ASSESSMENT



The User Testing Battle

Formative



When The Chef
Tastes The Noodles

Summative



When The Guest Tastes The Noodles

Action research project- GwE with Shirley Clarke

















- 89% regional schools
- 96% primary
- 80% secondary
- 70% special

	SCHOOLS	TEACHERS
Tier 1	27	54
Tier 2	193	386
Tier 3	140	261
TOTAL	360	701



Research areas- over a year

Growth mindset,
Learning Powers,
Learning Zone Diagrambullseye

Talk Partners

Effective questioning to ascertain prior knowledge

Learning Objectives- out of context, when to present, how to record, open/ closed

Success criteria- coconstructed, compulsory/ optional SC, how to exemplify 'excellence'

Feedback- verbal and written, before/ during/ after lesson.

Eliminate ability grouping

Eliminate rewards

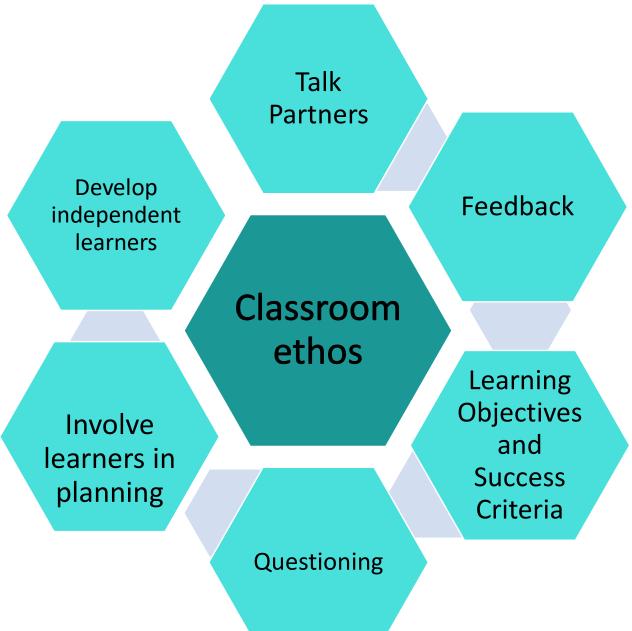
Reduce cognitive load

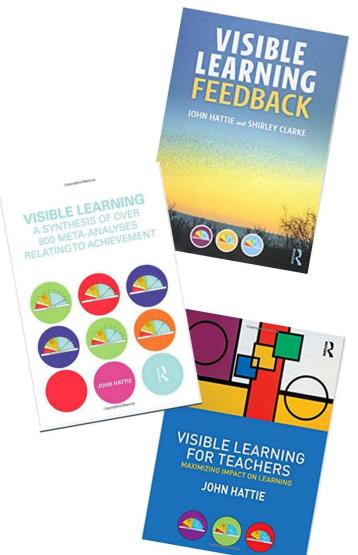


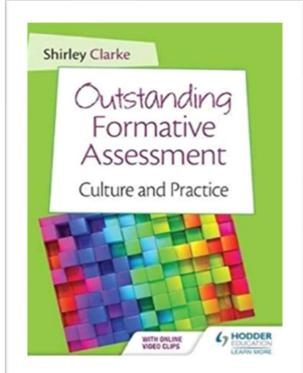
Visible Learning- John Hattie...

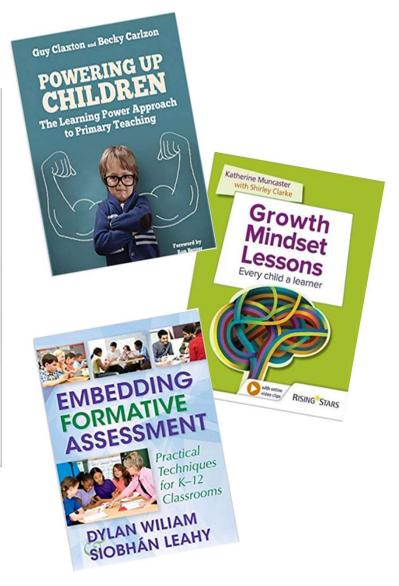
Assessment literate students	1.44
Providing Formative evaluation	0.9
Classroom discussion	0.82
Teacher/ student relationships	0.75
Feedback	0.72
Meta-cognitive strategies	0.69
Homework	0.29
Class size	0.21
Matching styles of learning	0.17
Ability grouping	0.12
Moving schools	-0.34



























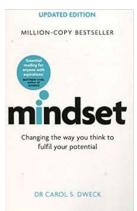
Metacognition

- Think about the way I think, aware of my own knowledge, understand my understanding
- Understand the ways in which we learn best, e.g.
 'learning to learn' sessions. BUT important to discuss in all lessons





CAROL DWECK FIXED / GROWTH MINDSET



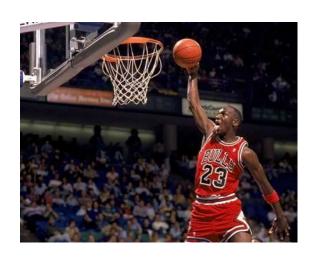


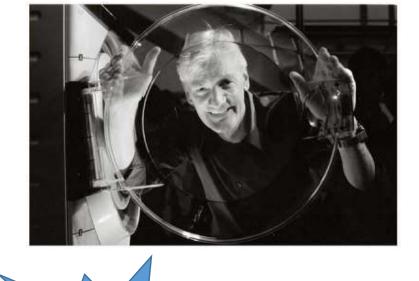
Insight#3

In the fixed mindset, when you fail; you're a failure – In the growth mindset, when you fail; you're learning

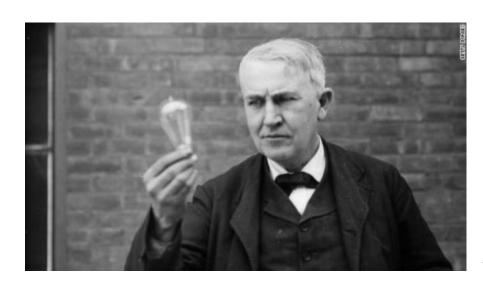


Famous Failures





1,000

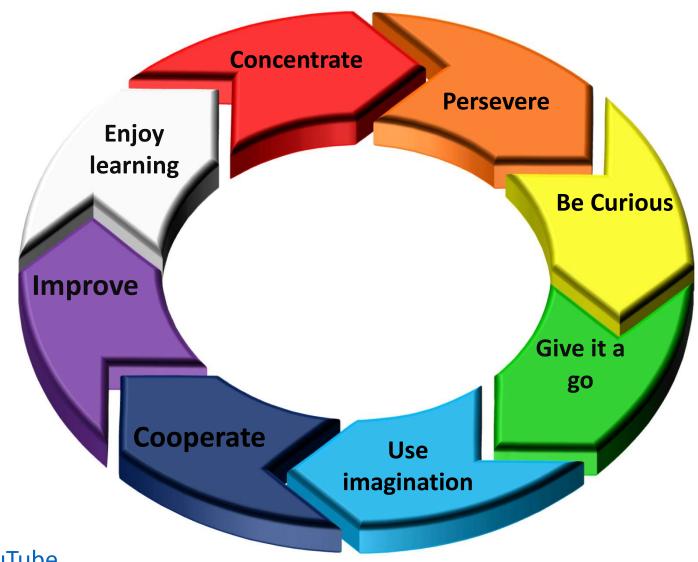






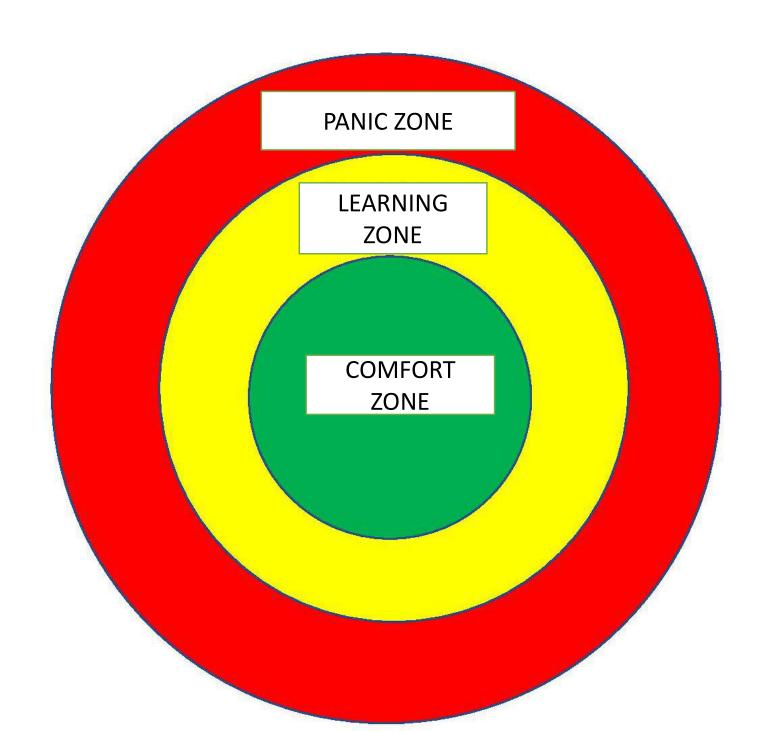


Learning Powers...



<u>Learning Powers - YouTube</u>





NOW NOW

The Learning PIT

I DID IT!



UH OH!

I DON'T UNDERSTAND LET'S WORK TOGETHER!

I'M STUCK! WHAT DO I DO? **Be Determined**

Connect

Question

Be Self-aware

Think

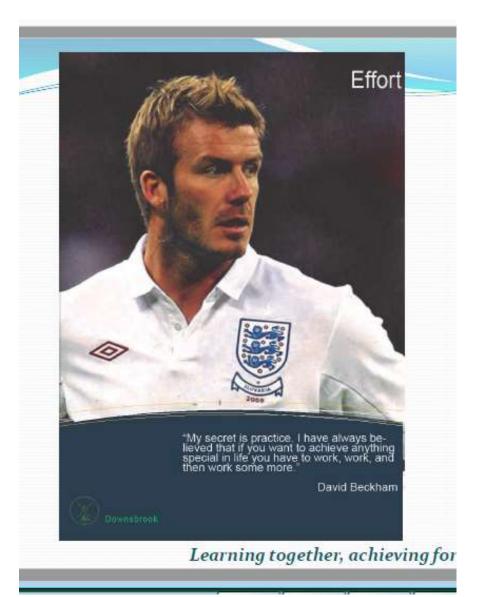
Reflect

Wonder

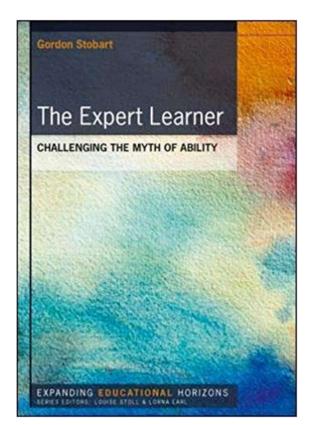
3: APPLYING UNDERSTANDING

2: MAKING MEANING

1: BUILDING KNOWLEDGE









Mindset at school

- EVERYONE aspires to think with a Growth Mindset
- Embrace mistakes as a way to learn
- Metacognition lessons
- Feeding through all lessons and school life in general
- Change ways of praising



X feedback on....

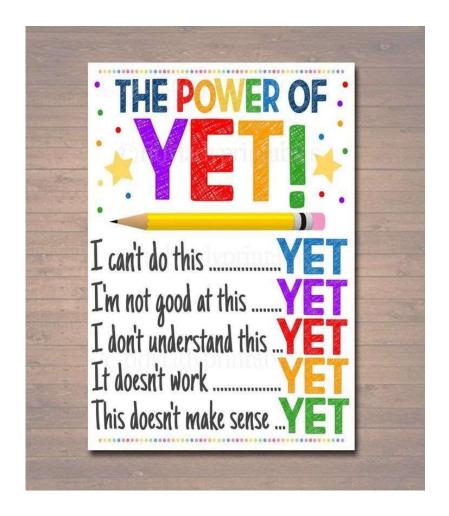
- Ability
- Speed
- Getting everything right without trying

Feedback on...

- Achievement
- Effort
- Mistakes revealed
- Using strategies to overcome difficulties
- Facing a challenge



How to encourage learners:







INSTEAD OF	TRY THINKING
I'm not good at this	What am I missing?
I give up	I'll use a different strategy
It's good enough	Is this really my best work?
I can't make this any better	I can always improve
This is too hard	This may take some time
I made a mistake	Mistakes help me to learn
I just can't do this	I am going to train my brain
I'll never be that smart	I will learn how to do this
Plan A didn't work	There's always Plan B
My friend can do it	I will learn from them

















VISIBLE LEARNING- John Hattie

Assessment literate students Providing Formative evaluation	1.44 0.9
Classroom discussion	0.82
Teacher/ student relationships	0.75
Feedback	0.72
Meta-cognitive strategies	0.69
Meta-cognitive strategies	0.05
Homework	0.29
Homework	0.29
Homework Class size	0.29 0.21

Why?

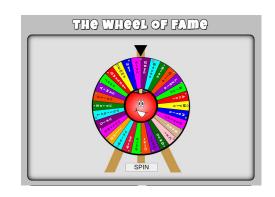


- Classroom discussions- impact on the 'learning' high- 0.82
- Give more time to think
- Positive influence- cognitive and social
- Mixed ability
- Improving behaviour
- Better quality written work (discussions are good practice to write)
- Inclusion (no 'hands up')
- Develop respect
- Making new friends, less 'cliques'
- Great support for those learning a new language
- Develop confidence to speak in front of everyone
- Learn from each other through discussion/ peer support
- Better focus and listening



How?





Random Student Generator (transum.org)

- Looking for various ways to randomly select partners
- Explain the routine to learners (help learn better, make new friends, learn from each other)
- Start on Monday morning. Change where to sit weekly
- Co- constructed Success Criteria-display. Modelling by adults
- Appreciation cards at the end of a week
- No hands up- just to ask a question
- Discuss one thing at a time- short time- more effective

<u>ClassTools.net: Free Tools for Teachers and Students</u>



















Effect on learners:

I like sitting with my talk partner because I listen better and don't play silly!

4 year old

I think it's good that we can work with anyone, you get a chance to work with everyone, not just your friends but with kids you're not used to working with 11 year old When we're working with a talk partner it's good because she's got double the ideas and your work is double better!

8 year old

Talk partners work well because you share ideas and compromise. You understand things better

14 year old

Children are more tolerant of each other; the language they use has changed and we seem to be on the same team. There is less hierarchy in the class and everyone's ideas are valid, not just the higher achievers. The children have realised that they are more equal and more willing to work with anyone

Teacher



- Parental contact
- Weekly change
- Varying reporting
- Excitement at changing partners
- Don't be tempted to change the choice of partners
- Trial triads
- Experiment with moving tables- U shape
- Look for excellence and model

- Suggestions
 Introduce more sophisticated elements into the S.C, e.g. Consider how to compromise, how to hold your ground, how to persuade, listen well to your partner
 - Connect the S.C with learning powers, eg. Resilience, collaboration, concentration, perseverance and overcoming challenges
 - Develop self-assessment and peer assessment at the end of the partnership
 - Present a card with a ?- to be placed on the desk when more assistance is needed

































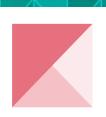


GWE

Ability Grouping

- Detrimental to the progress of most learners and has a direct, usually negative, impact on their mindset
- Grouping by ability- expectations set- prone to idleness. Learner achievement aligns with expectations
- Exploring higher level learning- learners often surprise teachersexceed previous expectations
- Lower Ability group= self- belief is negative
- Higher ability group= too satisfied, fixed mindset, fear of failure

















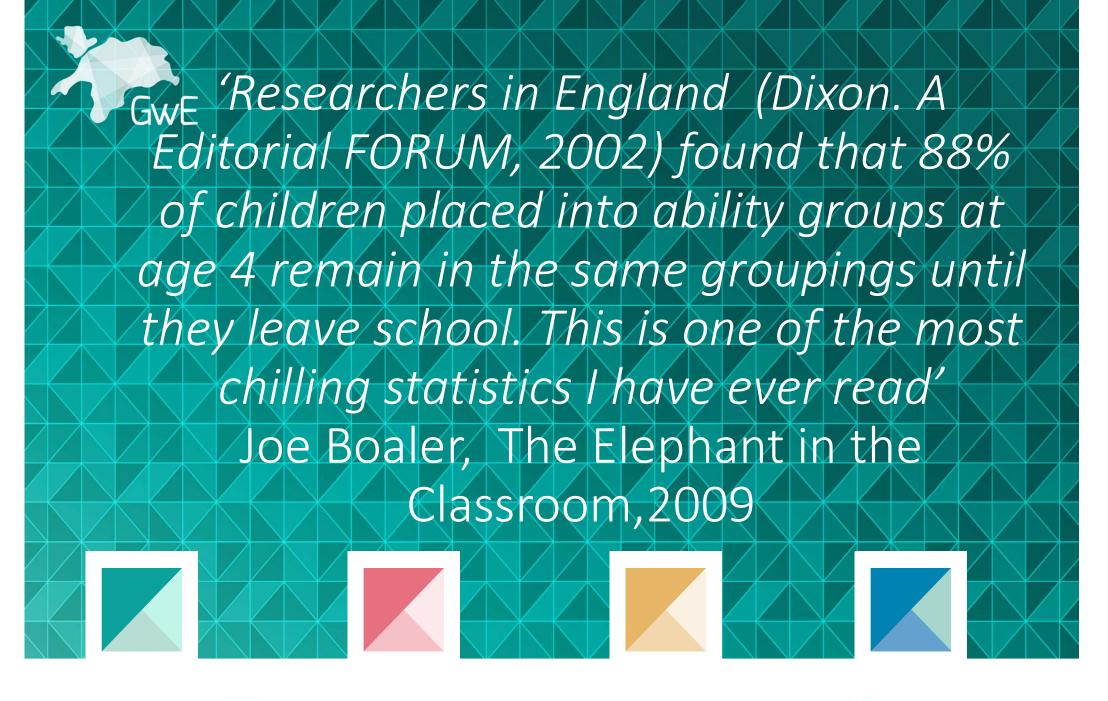






VISIBLE LEARNING — John Hattie

Assessment literate students	1.44
Providing Formative evaluation	0.9
Classroom discussion	0.82
Teacher/ student relationships	0.75
Feedback	0.72
Meta-cognitive strategies	0.69
Homework	0.29
Class size	0.21
Within class grouping	0.16
Within class grouping Ability grouping	0.16 0.12

















HERIAU GWAHANIAETHOL/ DIFFERENTIATED CHALLENGES

ddim yn sbeislyd, sbeislyd, POETH

Slightly spicy, spicy, HOT

Anhygoel/ Amazing

Gwych / great

Syfrdanol/ astonishing

GWE

SUGGESTIONS

- Essential that the classroom climate of learning is robust
- Need to teach based on what learners already know often at the beginning of a lesson is the time to find this out; pre-grouping learners can be an unsuitable arrangement
- Practice skill through differentiated challenges activity. Present the different challenges
 e.g. on a leaflet or in a pack to learners giving them the freedom to choose the
 challenge level
- Challenges at 3 levels to be available to learners but make problems available at each, rather than the lowest challenge practicing the skill, the middle applying it and the highest solving problems. Each layer needs to be a mixture of all three
- Vary the challenges and their names regularly so that it is not obvious to learners what the level of challenge is to encourage independent learners, or no name at all





















EFFECT ON LEARNERS I feel happier with no I like not being in a groups. Some children group because when were unhappy because you're in a lower they were in the bottom group and felt labelled group you think you're and unable to choose not smart enough! what to do















Learning Objectives and Success Criteria









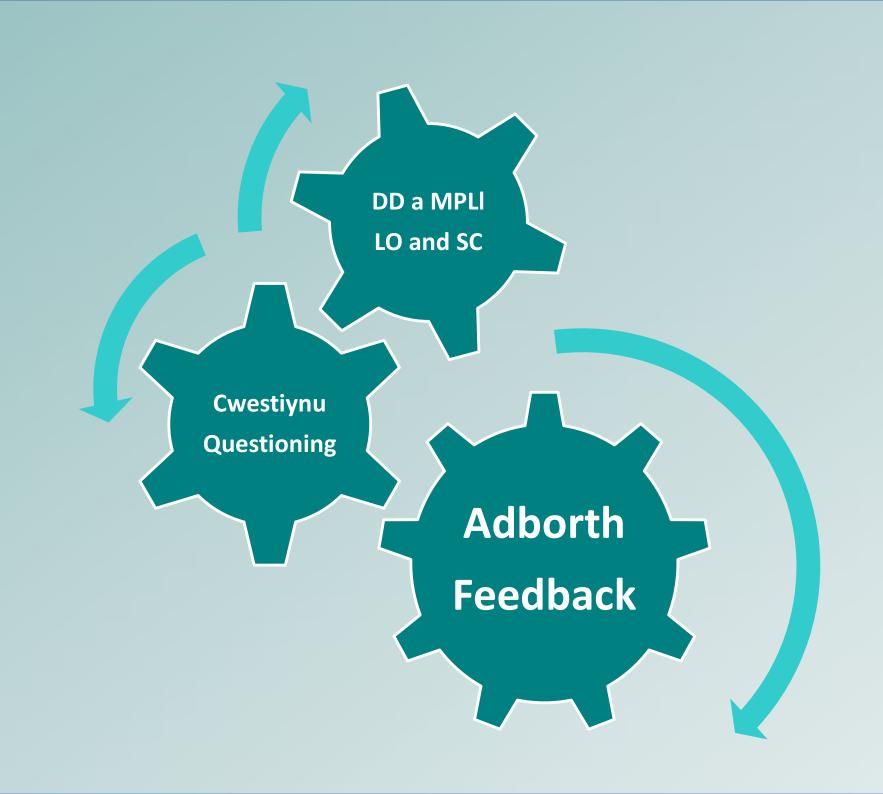






VISIBLE LEARNING...

Assessment literate students	1.44
Providing Formative evaluation	0.9
Classroom discussion	0.82
Teacher/ student relationships	0.75
Feedback	0.72
Meta-cognitive strategies	0.69
Homework	0.29
Class size	0.21
Within class grouping	0.16
Ability grouping	0.12
Moving schools	-0.34



Learning Objectives:

The skill or knowledge for a lesson/ piece of work e.g.

Learn how to write a newspaper report

Success Criteria:

What needs to be done to successfully achieve L.O

Needs to be co-constructed

Basis for feedback, discussion and progress



Success Criteria

What needs to be done to successfully achieve L.O

- To nail the skill... to develop the knowledge/understanding
- Co- constructed by pupils
- Ability to Be Open or Closed
- Generic Success Criteria
- Basis for verbal and written feedback

Pupils can shape them from a very young age given the opportunity.

Co- constructed Success Criteria - how?

- Excellent example analysis
- Compare good and not so good examples with whole class
- Show steps how to do something (quietly) from the front e.g. Maths skill - what did I do? What did I do then?
- Doing something wrong
- Finding the error
- Putting SC in order
- Eavesdropping on talk partners co- constructing SCshare with whole class



Mandatory/ closed Success Criteria('rules')

Specific

L.O: Learn how to use quotation marks

Remember:

Start each new person's conversation on a new line

Put quotation marks before and after what is being said

A conversation always starts with a capital letter

Put full stops, exclamation marks, etc. before closing the quotation marks



Optional/ open Success Criteria ('tools')

More open-ended.

L.O: learning how to create tension

Select....

Show rather than say (e.g 'the knot in her stomach' rather than 'She was scared')

Short sentences to build tension (e.g. 'He slowly turns towards me. Threatening.')

Keep the danger secret or don't show it (e.g. 'He could hear something scratching')

Place any characters in scary locations (e.g. alone/in the dark)



Recording L.O/S.C

The principle - don't waste pupils' time copying/recording

Options

- Pupils identify L.O as a short title in the books
- Recording SC on flip chart/ whiteboard- teaching assistant or teacher
- Pupils continue to record in their books

MUST be visual IN THE ROOM all the time No one is saying not to use LO and SC



Beginning of lessons- questioning to find prior knowledge









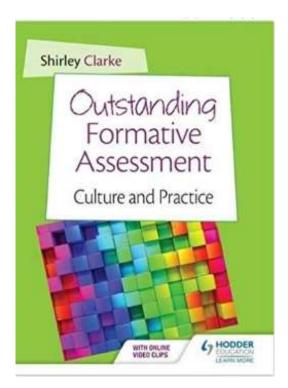






Possible strategies for effective questioning

- Choice of solutions
- Declaration
- Right and wrong
- Which is the exception?
- What went wrong?
- Starting from the answer/ the end
- Giving an opposing point of view
- Persuade another pupil
- Is it the same?
- Which is the best wrong answer?



Questioning



Challenge

- Tell me/ show me what you've learned so far
- Tell me what you're going to do first
- What do you think by....?
- Why do you think...?
- Can you give me an example of what do you think? (this can often indicate a misconception)
- Can you elaborate on that? Tell me more... So why is this better than another?
- Can you change this to make it clearer?
- What evidence do you have to support your point?
- Does everyone understand? What have you all understood?



Feedback

- Main principles
- Feedback during lessons
- Post- lesson feedback













Inspection Area 2.2: Attitudes to learning

Inspectors should evaluate the extent to which pupils are developing the key attitudes and behaviours that will help them to learn throughout their lives.

Inspectors should consider:

- how well pupils value and respond to feedback from adults and their peers
- how effectively pupils use feedback to move their learning forward

FEEDBACK

When evaluating the quality of feedback from teachers and other practitioners, inspectors should consider how well **verbal and written feedback** helps pupils to know **how well they are doing** and **what they need to do to improve**. They should evaluate the effectiveness of the feedback that pupils receive about work they have completed online or digitally. Inspectors should consider:

- the extent to which teachers develop pupils' thinking and understanding through skilful questioning and monitoring of pupils' learning
- how effectively teachers and other practitioners respond to pupils' learning during lessons and activities and adapt their approach accordingly
- how successfully teachers provide relevant, purposeful opportunities for pupils to assess their own and their peers' learning where appropriate

Feedback

The most powerful feedback is verbal, in-the-moment feedback

Learner feedback to a teacher is more important than a teacher to a learner.

Questioning and use of talk partners is core to getting to this

There is a need to carefully consider the purpose and value of written feedback and its impact

John Hattie 2008

"The mistake I made was seeing feedback as something teachers provided to students. I discovered that feedback is most powerful when it is from student to teacher. What they know, what they understand, where they made errors, when they have misconceptions , when they are not engaged – then teaching and learning can be synchronised and powerful. Feedback to teachers makes learning visible."

Pupil to teacher feedback

- Ethos and working relationship of learner and teacher and learners together - confidence to answer questions, celebrate mistakes
- Teachers need to continually seek out this feedback
 effective questioning and adapt according to
 perceptions/ feedback from learners
- Power breaks (pitstops) during a lesson

'The first fundamental principle of effective classroom feedback should be more work for the recipient than the donor.'

'Improve the pupil not the work '

Dylan Wiliam

Mae adborth yn beth emosiynol

Feedback is emotional

Amgylchedd dysgu saff Safe learning environment

'Unless feedback is actioned, it is just information, another set of advice floating in the wind'

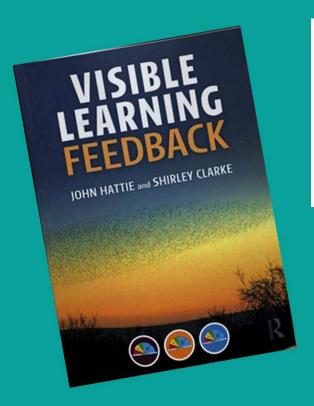
'Don't increase feedback, improve its effectiveness'

John Hattie



Purpose of feedback

- Acknowledge and thanks, celebrating efforts, encouragement.
- Support learners at work and support them to deliver quality and work worthy of their ability.
- Give the teacher a clear picture of learners' current understanding/knowledge of how to support the next stages of their learning.
- Ensure learners' understanding of their tasks and respond to any misconceptions/misunderstandings
- Moving learning forward and ensuring the progress of all learners
- Instilling growing independence in learners to plan and improve their work





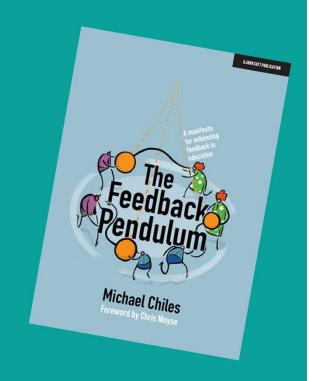


Canllawiau Cwricwlwm i Gymru











Prosiect Ymchwil Gweithredol Asesu Ffurfiannol GwE a Shirley Clarke

'Education Endowment Foundation' lead report

"...the only thing that matters with feedback is what learners do with it. If learners have no interest in improvement then no matter how thoughtful and insightful the feedback is, the time that teachers spend on crafting the feedback is likely to be wasted. For feedback to be effective we need to create classrooms where students welcome and use feedback.' Dylan Wiliam



TEACHER FEEDBACK TO IMPROVE PUPIL LEARNING

Summary of recommendations

Principles

1

Lay the foundations for effective feedback



- Before providing feedback, teachers should provide high quality instruction, including the use of formative assessment strategies.
- High quality initial instruction will reduce the work that feedback needs to do; formative assessment strategies are required to set learning intentions (which feedback will aim towards) and to assess learning gaps (which feedback will address).

2

Deliver appropriately timed feedback that focuses on moving learning forward



 There is not one clear answer for when feedback should be provided. Rather, teachers should judge whether more immediate or delayed feedback is required, considering the characteristics of the task set, the individual pupil, and the collective understanding

of the class.

- Feedback should focus on moving learning forward, targeting the specific learning gaps that pupils exhibit.
 Specifically, high quality feedback may focus on the task, subject, and self-regulation strategies.
- Feedback that focuses on a learner's personal characteristics, or feedback that offers only general and vague remarks, is

3

Plan for how pupils will receive and use feedback



- Careful thought should be given to how pupils receive feedback. Pupil motivation, self-confidence, their trust in the teacher, and their capacity to receive information can impact feedback's effectiveness.
 Teachers should, therefore, implement strategies that encourage learners to welcome feedback, and should monitor whether pupils are using it.
- Teachers should also provide opportunities for pupils to use feedback. Only then will the feedback loop be closed so that pupil learning can progress.

1

Carefully consider how to use purposeful, and timeefficient, written feedback



- Written methods of feedback, including written comments, marks, and scores, can improve pupil attainment; however, the effects of written feedback can vary.
- The method of delivery (and whether a teacher chooses to use written or verbal feedback) is likely to be less important than ensuring that the principles of effective teacher feedback (Recommendations 1–3) are followed. Written feedback may be effective if it follows high quality foundations, is timed appropriately, focuses on the task, subject, and/or selfregulation, and is then used by pupils.

E

Carefully consider how to use purposeful verbal feedback



- Verbal methods of feedback can improve pupil attainment and may be more time-efficient when compared to some forms of written feedback.
- However, as with written feedback, the effects of verbal feedback can vary and the method of delivery is likely to be less important than ensuring the principles of effective teacher feedback (Recommendations 1–3) are followed.

Implementation

6

Design a school feedback policy that prioritises and exemplifies the principles of effective feedback



- Enacting these recommendations will require careful consideration and this implementation should be a staged process, not an event. This will include ongoing effective professional development.
- Schools should design feedback policies which promote and exemplify the principles of effective feedback (Recommendations 1–3).
 Policies should not over-specify features such as the frequency or method of feedback.

Feedback- EEF

- Very high impact for very low cost based on extensive evidence
- Implementation cost £££££
- Evidence strength ******
- Impact (months)+6months

Feedback- key findings

- Providing feedback is a well-evidenced and has a high impact on learning outcomes. Effective feedback tends to focus on the task, subject and selfregulation strategies: it provides specific information on how to improve.
- Feedback can be effective during, immediately after and some time after learning. Feedback policies should not over specify the frequency of feedback
- Feedback can come from a variety of sources studies have shown
 positive effects of feedback from teachers and peers. Feedback delivered
 by digital technology also has positive effects (albeit slightly lower than the
 overall average).
- Different methods of feedback delivery can be effective and feedback should not be limited exclusively to written marking. Studies of verbal feedback show slightly higher impacts overall (+7 months). Written marking may play one part of an effective feedback strategy – but it is crucial to monitor impacts on staff workload.
- It is important to give feedback when things are correct not just when they are incorrect. High-quality feedback may focus on a task, subject, and self-regulation strategies.

Feedback during lessons- possible strategies

GWE Cyclwatthio · Dysgu · Liwyddo Collaborating · Learning · Succeeding

Whole class feedback

- Looking at one pupil's work digitally or under the visualizer
- Contributing whole classroom feedback against the Success Criteria
- Provide feedback successes, propose improvements, correct misconceptions
- All to check and improve their own work

Peer feedback

- Pupils need to be trained to do this successfully
- Verbal discussion on progress against Learning Outcomes and Success Criteria at work
- When it is necessary to look at work use the strategy of one book on top of the other, the author makes changes/improvements. Repeat the process for other pupils
- Digital strategies e.g. Office 365, Google, SeeSaw, Flipgrid, Mote

Feedback during lessons- more possible strategies



Individual feedback

- Comments or discussion while individuals are at work
- Set aside a set period of approximately 3-5 minutes to have a one-to-one discussion between teacher and pupil about a piece of work, as class time and organization allow. This should be a face-to-face, caring, personal conversation to discuss a piece of work.

Specific time to improve

 Many have paid attention to the use of specific times in a work week to improve work, e.g. Feedback Friday, 'DIRT time'

Some schools have set up research groups among staff or with staff and pupils to regularly review the effectiveness of feedback



Feedback during lessons- verbal

- Encourage challenge and struggle as a natural practice when in the learning process. Celebrate mistakes
- Learners need to know: a) Where am I going? b)How?
 and c) Where next/How can this be improved?
- Provide opportunities for learners to give each other feedback
- Make feedback related to L.O and S.C tasks
- Give feedback that suits all learners (not too easy, not too challenging)

At the end of a lesson...



At the end of a lesson it is important that a teacher knows exactly where the pupils are in their learning and understanding in order to plan for their next steps.

It is also important that pupils have the opportunity to **reflect on their own learning,** through an activity such as:

- Discussion with partner
- A class review and time to self-assess
- Make a note at the end of their own work, write down one question they have about the lesson e.g. what if...? Next time, shall we....?
- Write a note on post- it to the teacher when leaving class
- Assessing with peers I'm proud of I need to work further on.....

Post- lesson feedback



"Anything which happens after the lesson has questionable value compared to what happens in the moment"

- If effective feedback has occurred in class and improvements have been made during the lesson, consideration of the size and value of any comments at the end of work is at times required.
- If you are marking or implementing feedback on the pupil's work when he/ she is not present, adequate time in a follow-up lesson needs to be ensured to address and act on the feedback.

Written feedback- ideas



- Use different colour highlighters such as pink and green.
- Pupils writing in one colour and improving work in another colour
- Pupils write only on the right side of the workbook left side -blank for improvement activity, feedback
- Pupils write every other line when working on a first draft, so that teacher/peer/self comments have space in a different coloured pen above the line
- Looking at a sample of learners' books to further discover prior knowledge and planning possibilities
- Write 'whole class' feedback. This has proven to be a successful tool, especially in the Secondary
- Use agreed codes and symbols, in accordance with school policy.
 Ensure pupils' full understanding of the symbols/codes.

Learning Objective-

Consider feedback from the last lesson - what learners know

Find out prior knowledge –

Talk Partners activity
question/ eavesdropping/
quiz

Co- constructing SC:

Talk Partners

Pit Stops-

questioning, self-assessing, visualser, talk partners

Throughout the lesson-

LO and SC visual, adults rotate, discuss, question, verbal feedback, short/ to the point written feedback

Looking at models to find 'quality'

Sharing mistakes/ misconceptions/ successes

Simultaneous modification/ improvement

Self assessment/talk partner

At the end of a lesson - check feedback understanding/next steps before/ when leaving

