

# The perfect feedback message: evidence and practice?

**SLO – Wednesday, 13<sup>th</sup> November, 2019**

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**Ambition Institute**

2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

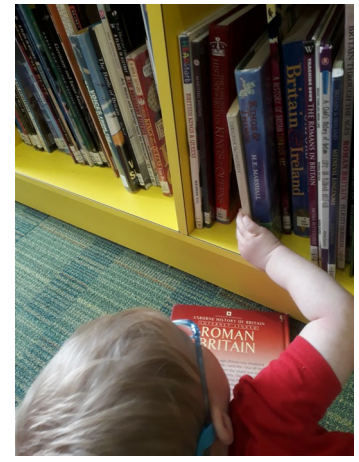
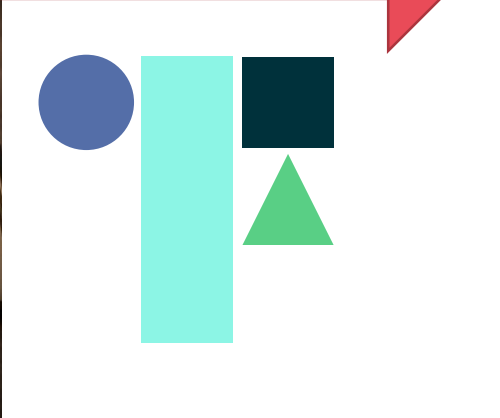




Image: [Trounce](#)



Image: [CollegeDegrees360](#)

Lemov, 2015  
Kennedy, 2016

Which of these is hardest?

Why?







## Feedback

High impact for very low cost, based on moderate evidence.



+8

## Metacognition and self-regulation

High impact for very low cost, based on extensive evidence.



+7

## Reading comprehension strategies

High impact for very low cost, based on extensive evidence.



+6

## Homework (Secondary)

Moderate impact for very low cost, based on limited evidence.



+5

## Mastery learning

Moderate impact for very low cost, based on moderate evidence.



+5

## Collaborative learning

Moderate impact for very low cost, based on extensive evidence.



+5

# Feedback

High impact for very low cost, based on moderate evidence.

**38%** of experiments in feedback  
had a negative effect









Why is there conflict in Ukraine?

There's a conflict in Ukraine because the pro Russians shot down Malaysian airlines jet killing 298 passengers. This happened because the

Why is there conflict in Ukraine?

Some Ukrainians want to be independent because it's nice the way it is at the moment. However, other Ukrainians want to join Russia so that they have a big army to protect them.





# When should we give feedback?

1)

2)

3)

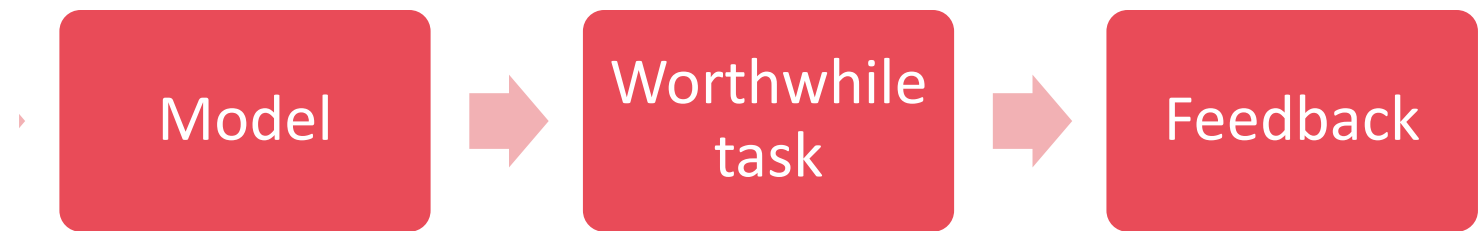


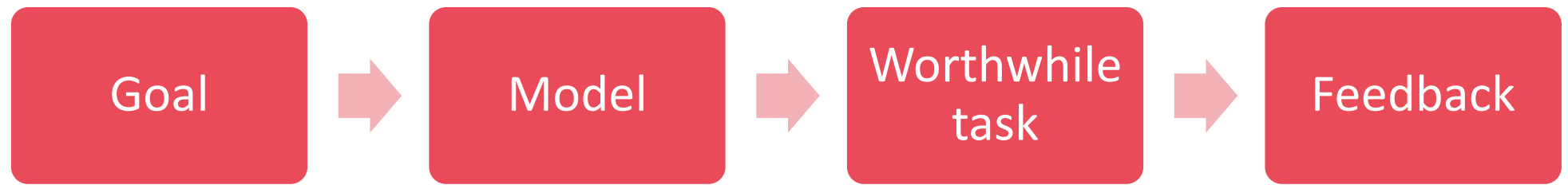
Feedback

Worthwhile  
task

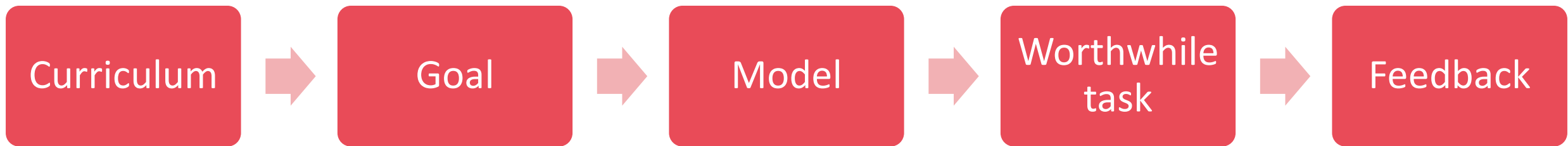


Feedback





# What do we need before we give feedback?





# When should we give feedback?

1) When we have clear goals

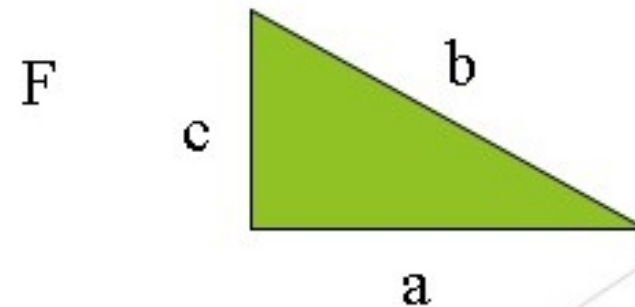
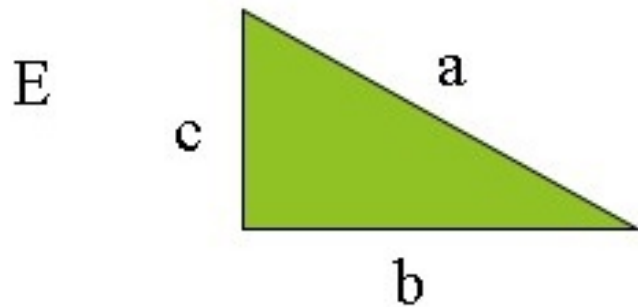
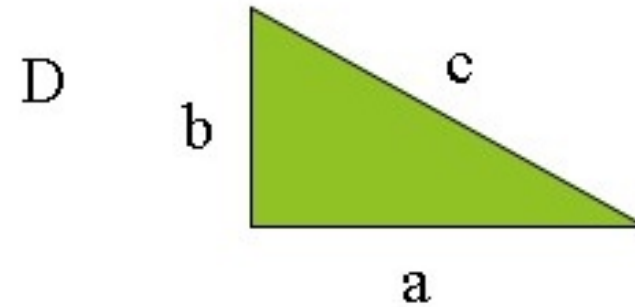
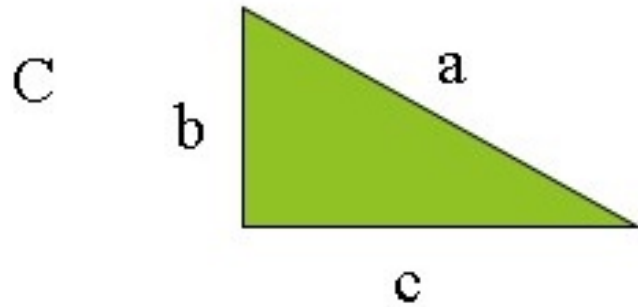
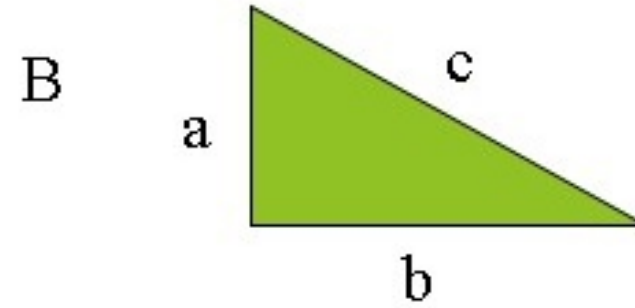
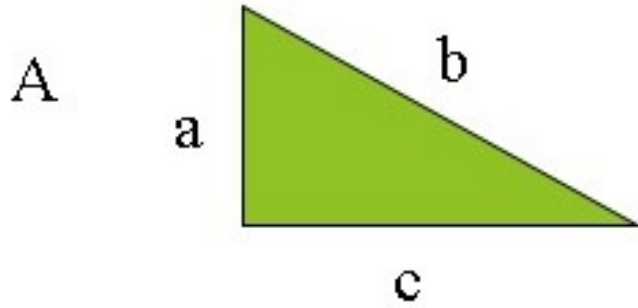
2)

3)

1)	6)
2)	7)
3)	8)
4)	9)
5)	10)

1) X X	6) X X X X X X X
2) X X X	7) X X X X X
3) X X X X X X X	8) X X
4) X X	9) X X X X X X X X X X X X X X X X
5) X	10) X X X X X X X X X X X X X X X X

► In which of these right-angled triangles is  $a^2 + b^2 = c^2$ ?



Dear Madam Sir

I am a student from the Greenwich Free School and I am writing this letter to explain whether we should or shouldn't intervene in Syria. I have a range of examples about when we have/have not intervened that might change your view on the subject. Please take this into consideration. First I will talk about WW2, then Iraq and then Syria itself.

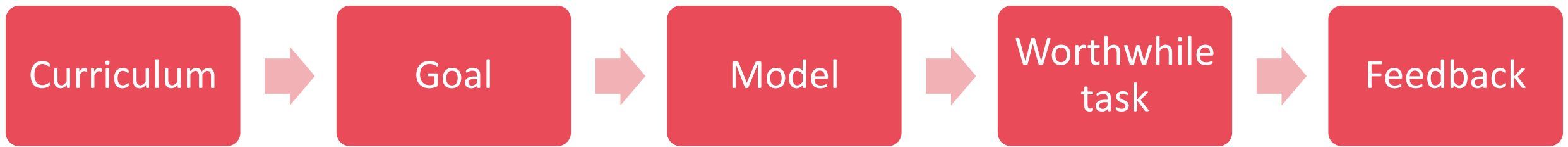
WW2

In WW2 we waited until Hitler attacked Poland before we intervened. This paragraph will show whether that

we left Hitler he began to grow his armies to a size that was inappropriate and that meant when we did fight him it was a lot harder than if we had responded when he started. My second point is appeasement. Two places Hitler invaded before Poland (Austria and Czechoslovakia) gave him items and factories in which he could create weapons that were used in the war if we reacted earlier they would have less weapons to use. My third and final point is about money. At the end of WW2 Britain had spent £260 trillion and Britain itself is worth 1 trillion which is a lot less than it was if we hadn't intervened it wouldn't have cost as much. This paragraph overall shows we should not intervene in Syria but there will be downsides.

justify this link! Ex!





# When should we give feedback?

1) When we have clear goals

2) When we have feedback in mind

3)

# Why might feedback be undesirable?



Feedback

**Feedback**

Do students  
know enough  
to benefit?

**Feedback**



Do students  
know enough  
to benefit?



**Reteach  
explicitly**

**Feedback**

Do students know enough to benefit?



Is the task hard?



**Reteach explicitly**

**Feedback**

Do students know enough to benefit?



Is the task hard?

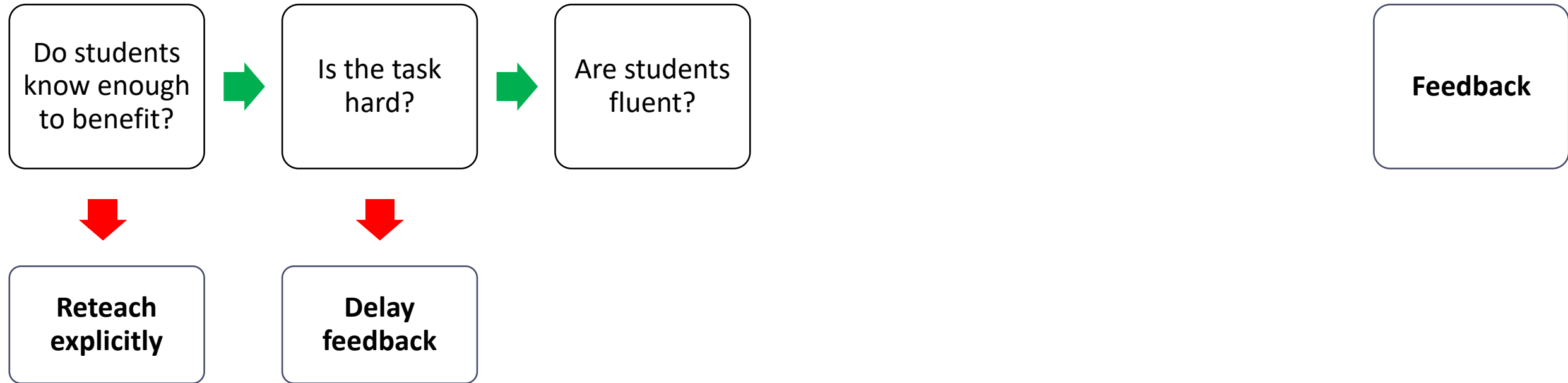


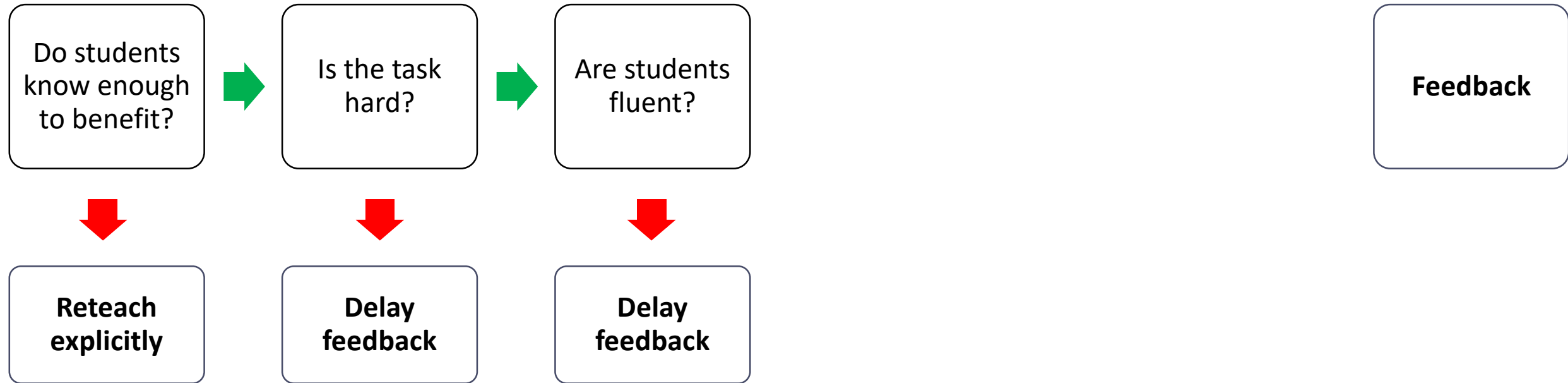
**Reteach explicitly**

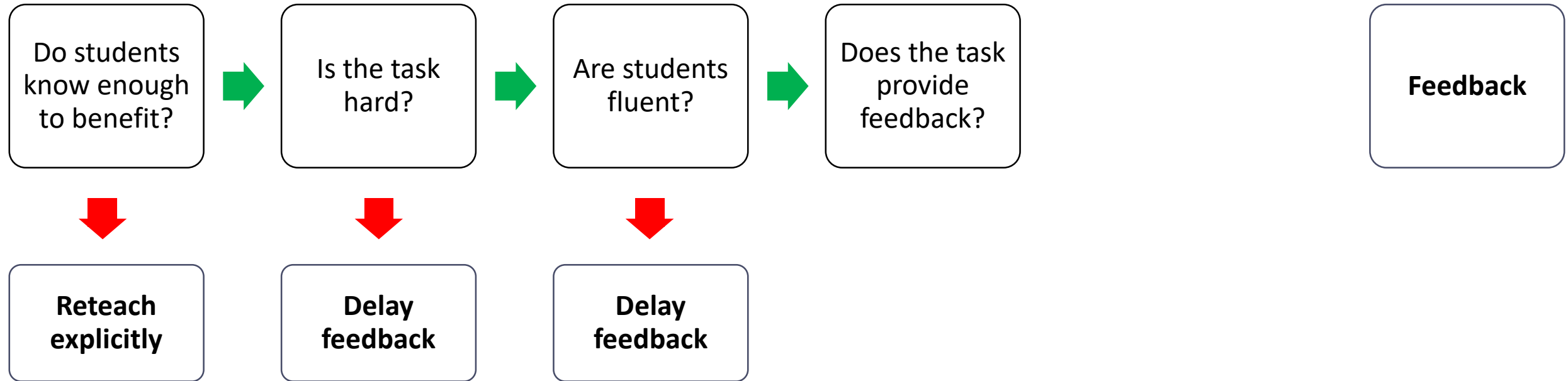


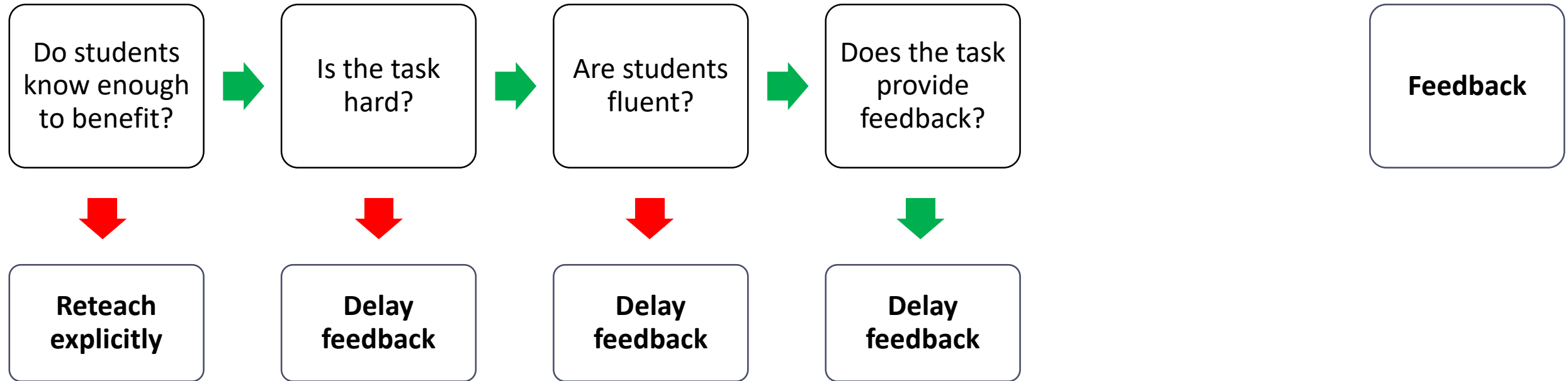
**Delay feedback**

**Feedback**

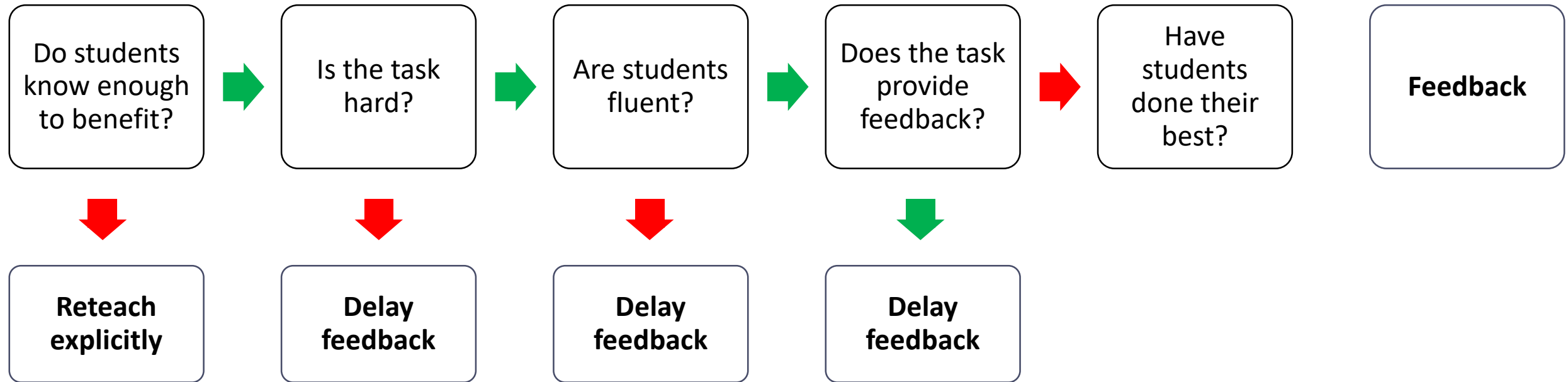


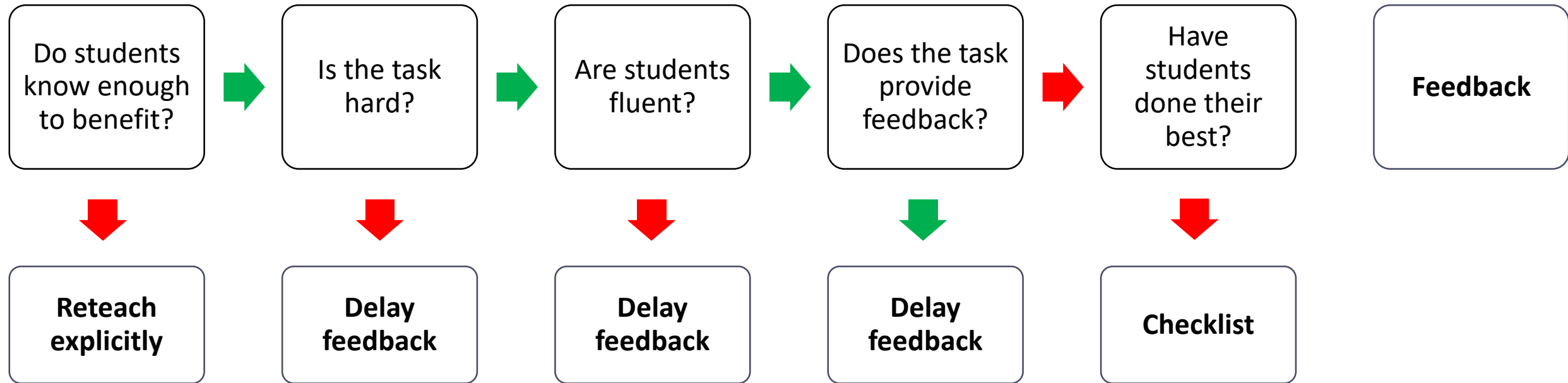


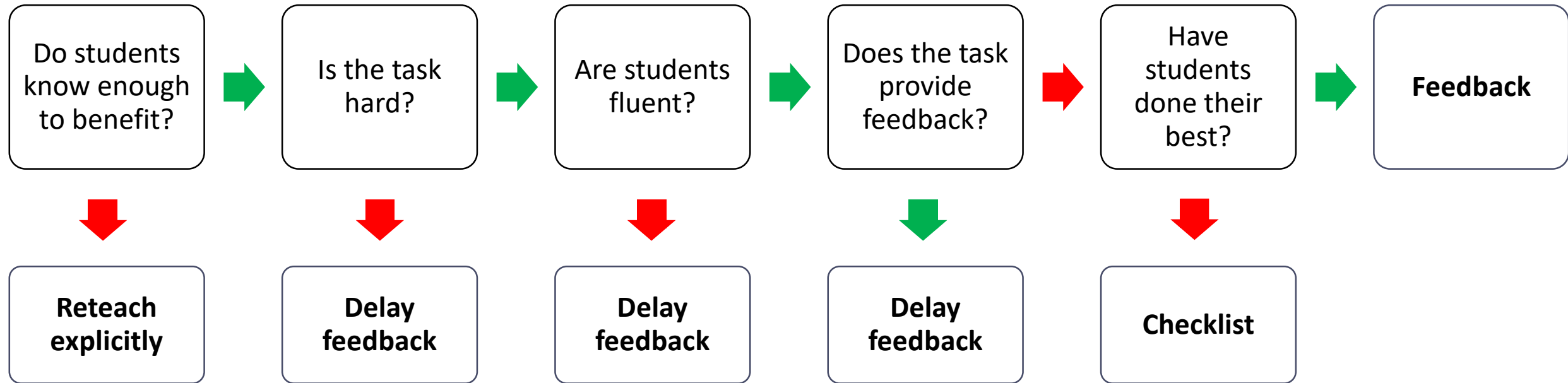












## Guiding improvement – a decision tree



[tinyurl.com/feedback-tree](https://tinyurl.com/feedback-tree)

# When should we give feedback?

1) When we have clear goals

2) When we have feedback in mind

3) When students are ready to benefit







How can we analyse and interpret results effectively?

1)

2)

- 1) Data reduction
- 2) Data display
- 3) Conclusion drawing

20k.

Permutation  
N, K, S, P.

technology  
- They had buildings that were more advanced

Vinay  
The ~~same~~ building  
looked quite new

- We can never know for sure.

I think that  
~~England was doing~~  
was bad like they  
We can't see some of  
the pictures some  
of them aren't that  
detail

best  
sons...  
customs  
things...  
personality

Difference  
had a  
tradition  
but a  
clear  
who  
They were different in religious  
reasons like the mosque  
and the castle. Not a  
few  
in  
and  
them

SPUT T/F  
+ different interests  
Different actions  
killing vs library  
Islam more  
advances  
medicine

life  
in  
as  
Ry  
P  
u  
r  
m

I think N and K are totally different  
as N is a place of learning and is closer  
to a library than a castle. Also I think a  
castle is more of a fun and a place  
of dining.

	1 - What a	2- Roles of parliament, gove		
Khalil	A	R		
Atilola	A	A		
Mojisola	A	R		
Tashana	R	R		
Sam	G	R		
Josiah	A	A		
Tarik	A	R		
Daniel	A	R		
Zainab	G	R		
Hakeem	A	A		
Luqman	R	NOT HANDED IN		
Elia-Keryr	G	A		
Joshua	R	R		
Amir	R	R		
Ben	Not in	A		
Nikisha	A	A		
Nyna	A	R		
Jenna	G	R		

How can we analyse and interpret results effectively?

1) Data reduction and data display

2)


Improving the student...

...not the task

Can you think of a recent time you gave feedback on:

- 1) How to get the task done
- 2) How to do the task better
- 3) How to do better in similar tasks
- 4) What success looks like in the subject
- 5) How to manage themselves
- 6) How to direct their lives
- 7) How good they are as people



<b>Specific</b>	Concrete		This task	How can I get this done? How can I make this better?
	Reflective		The subject	How can I do better in tasks like this? What does it mean to be good in this subject?
			Self-regulation	How can I manage myself to learn better? Who do I want to be?
<b>General</b>	Existential		Self-evaluation	How good am I?

> *Correct Question 2, dividing before adding..*

> *Redraft this paragraph: historians always give evidence:*

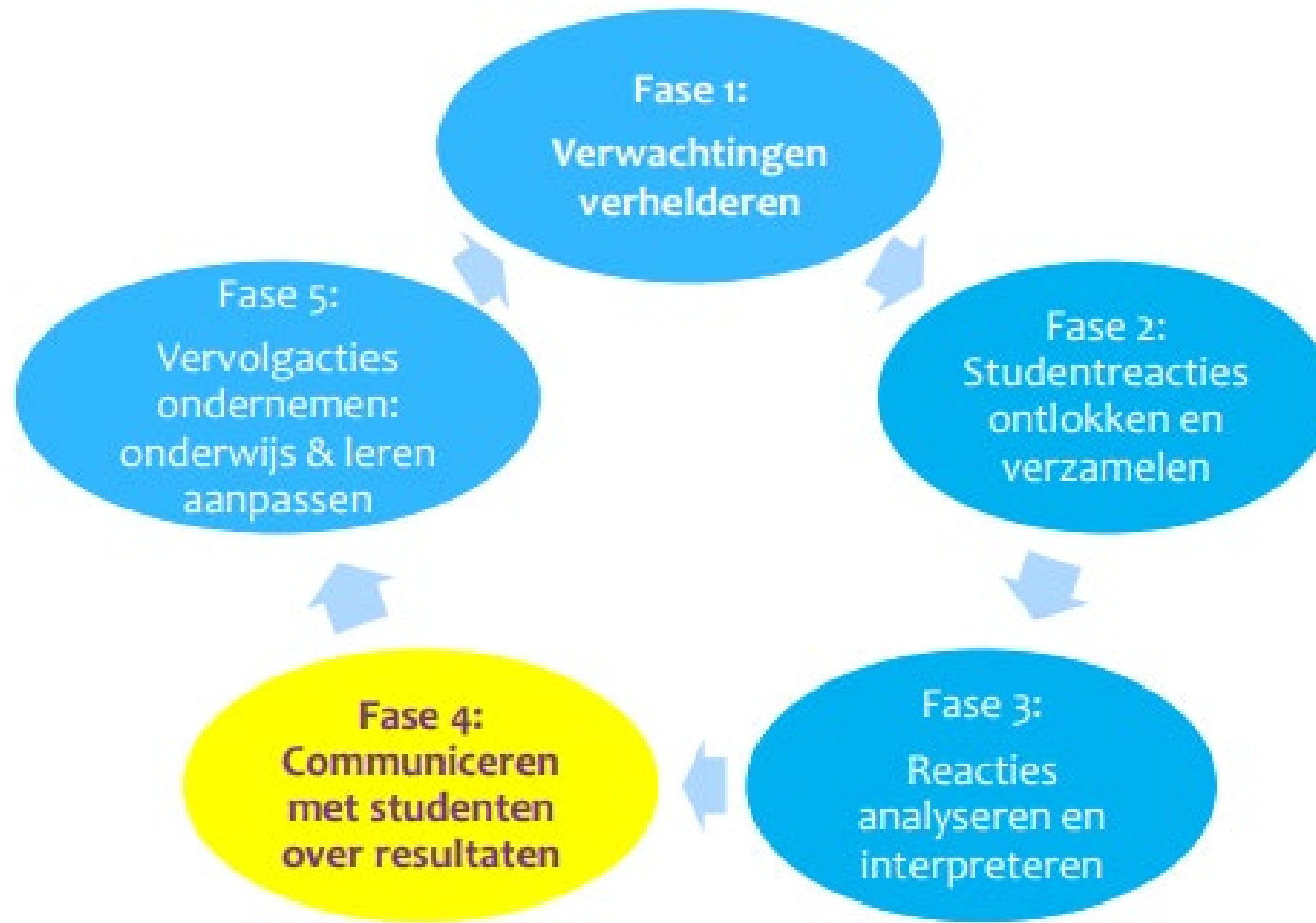
> *Rewrite your method section to describe more fully:*

This task
The subject
Self-regulation
Self-evaluation

# How can we analyse and interpret results effectively?

1) Data reduction and data display

2) Identify (and link) immediate and lasting changes



# How can we ensure students get the message?

1)

2)

Adding additional explanation of feedback points makes:

- A) Students more likely to respond
- B) Students less likely to respond
- C) No difference

Feedback is often:

- > Illegible
- > Incomprehensible
- > Jargony

Students like quantity but it's overwhelming

How can we ensure students get the message?

1) Be succinct

2)



*Good answers to questions 1-6; you've struggled a bit with Question 7 and I want you to reconsider the way you've approached it: look back at the key points from last lesson and discuss with me how you'll do it differently next time.*

~~Good answers to questions 1-6; you've struggled a bit with Question 7 and I want you to reconsider the way you've approached it: look back at the key points from last lesson and discuss with me how you'll do it differently next time.~~

Good answers to questions 1-6; review Question 7.



*I'm giving you these  
comments  
because I have high  
expectations  
and I know you can  
reach them.*



## How can we ensure students get the message?

1) Be succinct

2) Show high expectations + belief

*Good answers to questions 1-6; review Question 7.*

~~Good answers to questions 1-6; review Question 7.~~

Good answers to questions 1-6; I know you can get Question 7 right – fix it now.

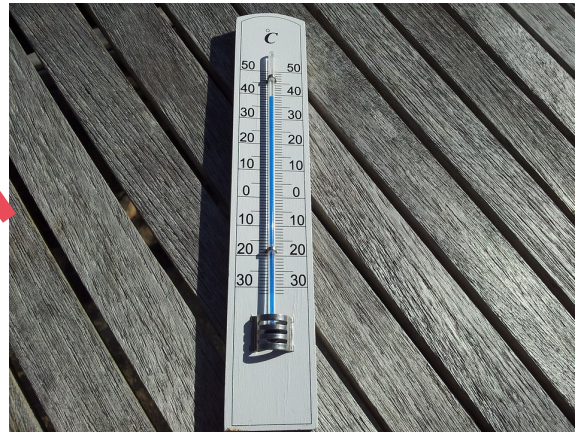




# How can we ensure students benefit?

1)

2)

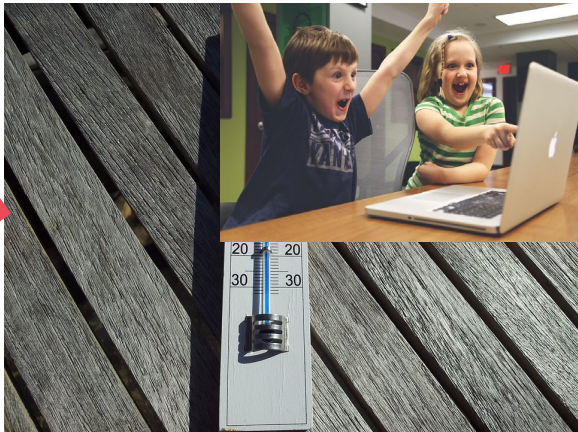
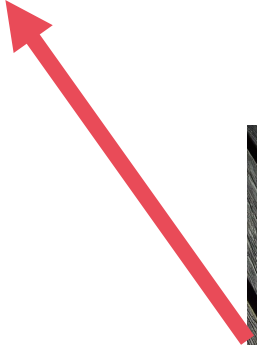




*Information about the gap between actual and reference [desired] levels is considered as feedback only when it is used to alter the gap.*



Sadler, 1989









P I believe that Appeasement ~~failed~~ ~~did~~ and didn't work for many reasons. I believe that it didn't work because Hitler did everything in secrecy and then took over ~~many~~ <sup>three</sup> countries.

Collect three pieces of evidence supporting your point.

● ~~Appeasement didn't work~~ Furthermore He built up an army in secrecy so he could take over three other countries. Furthermore, Appeasement didn't work because ~~it was~~ Hitler couldn't be trusted as he had broken his word before and he also began to believe that Britain and France wouldn't put a fight so he kept on doing things which violated the peace agreement.



## How can we ensure students benefit?

1) Give them a task (and time)

2) Or a reminder

*Good answers to questions 1-6; Question 7 is not correct.*

~~Good answers to questions 1-6; Question 7 is not correct.~~

Good answers to questions 1-6; correct Question 7 for homework.

~~Good answers to questions 1-6; Question 7 is not correct.~~

Good answers to questions 1-6; note what you will do differently for questions like Question 7 next time.

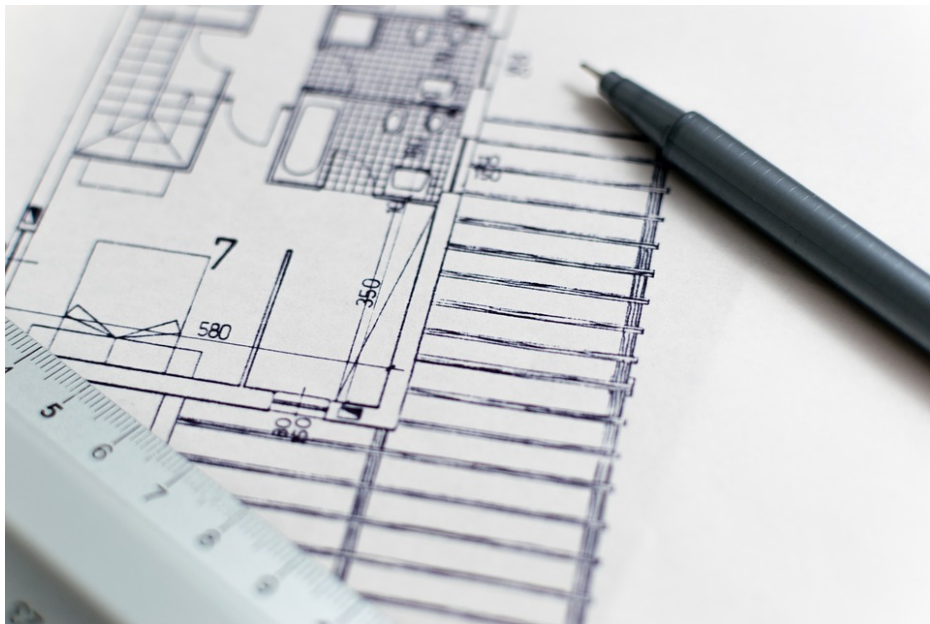


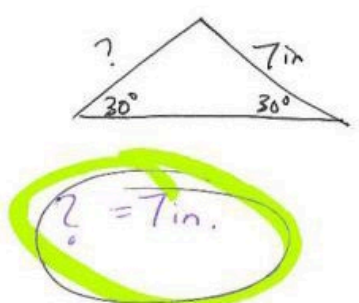
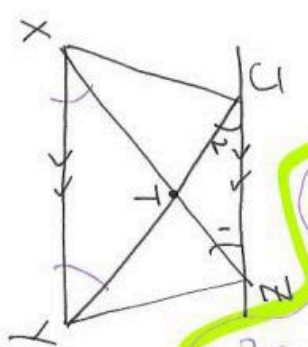
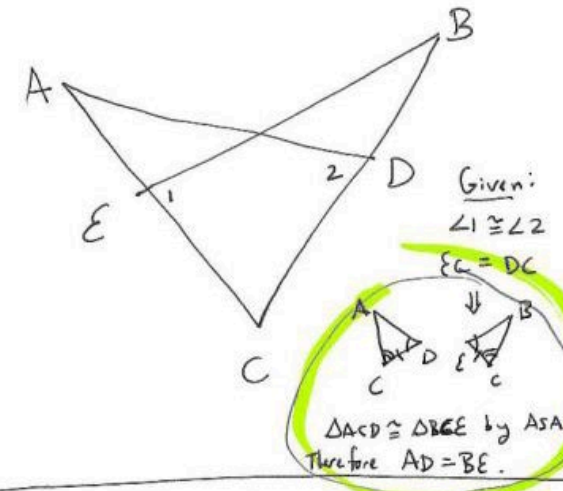
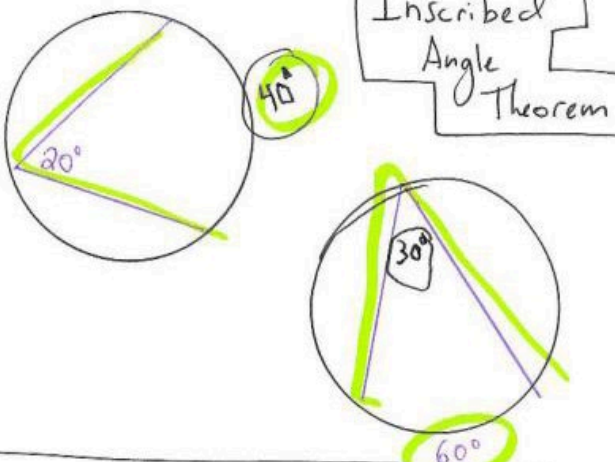




- Name
- Title
- Date
- Capital letters
- Punctuation
- ...





	<p>Given: <math>JZ \parallel XY</math>  <math>\angle 1 \cong \angle 2</math>          Prove: <math>XT = TY</math></p> <p>Proof:          By <math>Zs</math> <math>\angle XY \cong \angle TYX</math>.          So <math>\triangle TXY</math> is isosceles since it has 2 congruent angles. Therefore <math>TX = TY</math>.</p> 
	<p>Inscribed Angle Theorem</p> 





Dear Madam Sir

I am a student from the Greenwich (Joe) School and I am writing this letter to explain how we should have a range of examples about when we have not intervened that might change your view on the subject. Please take this into consideration. First I will talk about WW2, then Iraq and then Syria itself.

WW2

In WW2 we waited until Hitler attacked Poland before we had a positive or negative impact. My first point, when we left Hitler he began to grow his armies to a size that was inappropriate and that meant when we did fight him it was a lot harder than if we had responded when he started. My second point is appeasement. Two places Hitler invaded before Poland (Austria and Czechoslovakia) gave him items and factories to which he could create weapons that were used in the war if we reacted earlier they would have less weapons to use. My third and final point is about money. At the end of WW2 Britain had spent £260 billion and Britain itself is worth 1 trillion with a lot less than that. slowly if we hadn't intervened it would have cost a much This paragraph overall shows we should take on Syria but there will be downsides

justify this link! Ex!





✓ P I believe that Appeasement ~~failed~~ ~~did not~~ didn't work for many reasons. I believe that it didn't work because Hitler did everything in secrecy and then took over ~~many~~ <sup>three</sup> countries.

✓ G Collect three pieces of evidence supporting your point.

- ~~Appeasement didn't work~~ Furthermore He built up an army in secrecy so he could take over three other countries. Furthermore, Appeasement didn't work because ~~it was~~ Hitler couldn't be trusted as he had broken his word before and he also began to believe that Britain and France wouldn't put a fight so he kept on doing things which violated the peace agreement.



*Once upon a time...*









*Good answers to questions 1-6; Question 7 is not correct.*

~~Good answers to questions 1-6; Question 7 is not correct.~~



~~Good answers to questions 1-6; Question 7 is not correct.~~

*“Use the checklist to identify the question you have got wrong.”*





Images:  
[Marcello](#)  
[Casal Jr/Abr;](#)  
[Hao Xing](#)

I wrote my student this feedback:

*Good effort but some incorrect answers to questions 1 -4.*

*You have misunderstood the key idea and need to review your notes.*

*Please be more careful in future.*

Rewrite it to make it better.

### You could...

Reteach or delay feedback

Link immediate and lasting change

Be succinct

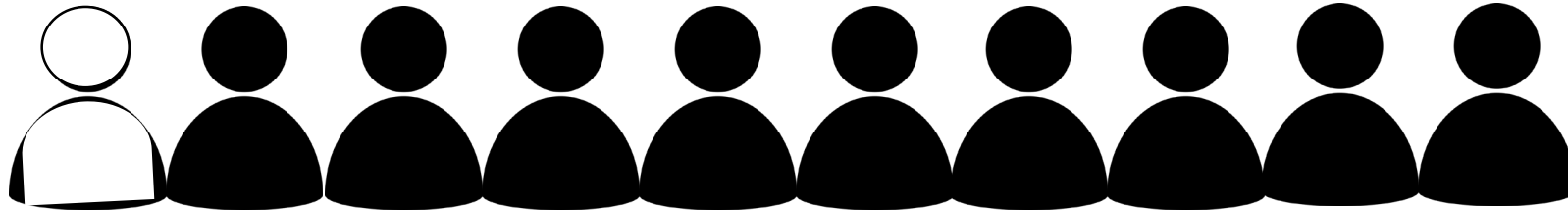
Show high expectations and belief

Give an improvement task

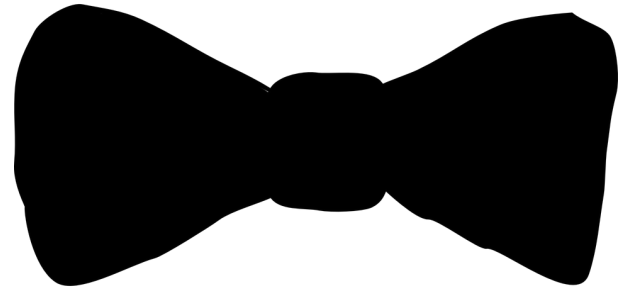
Give a model, a checklist or verbal feedback

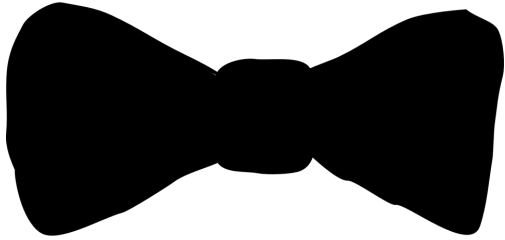
# Change or die?

# Change or die?









Pick one small  
change...

Which makes your  
life better...

With social  
support...

To form a habit

What will you do differently?

When will you do it?

Who will you commit to?

# Thank you

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