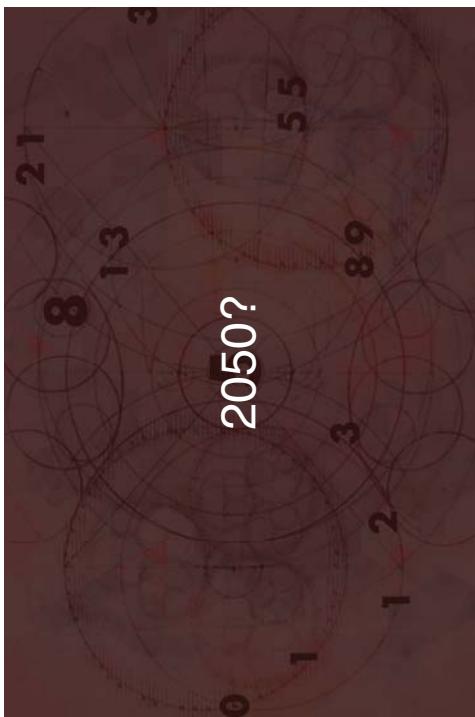


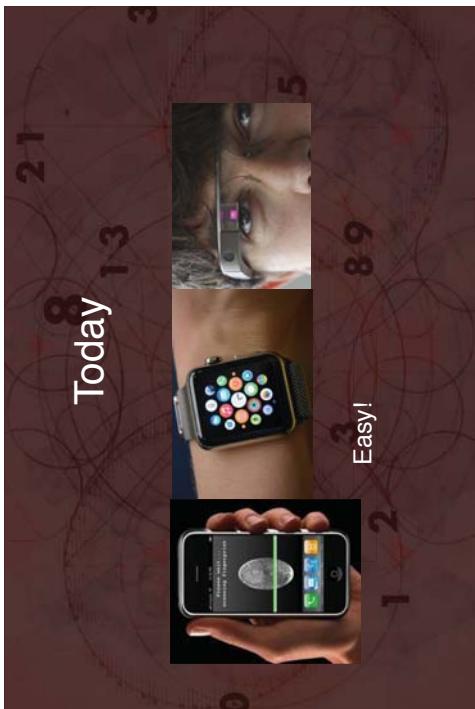
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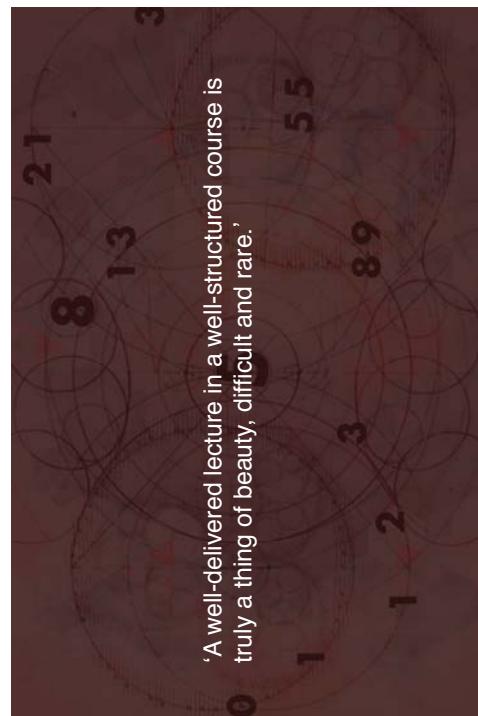
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‘A well-delivered lecture in a well-structured course is  
truly a thing of beauty, difficult and rare.’

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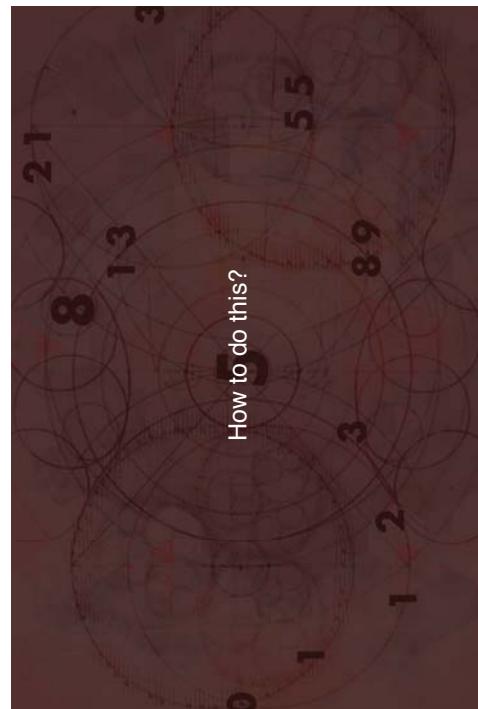
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‘The Art of Lecturing’

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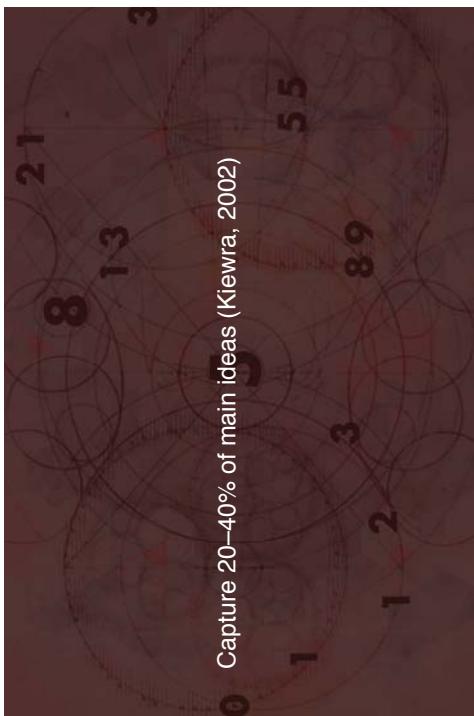
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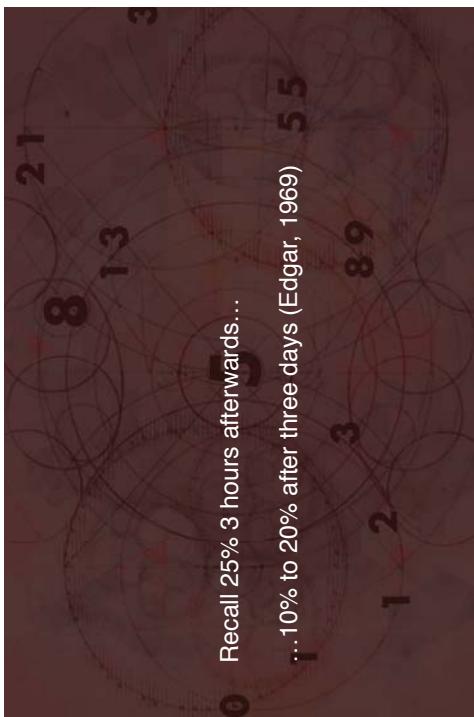
How to do this?

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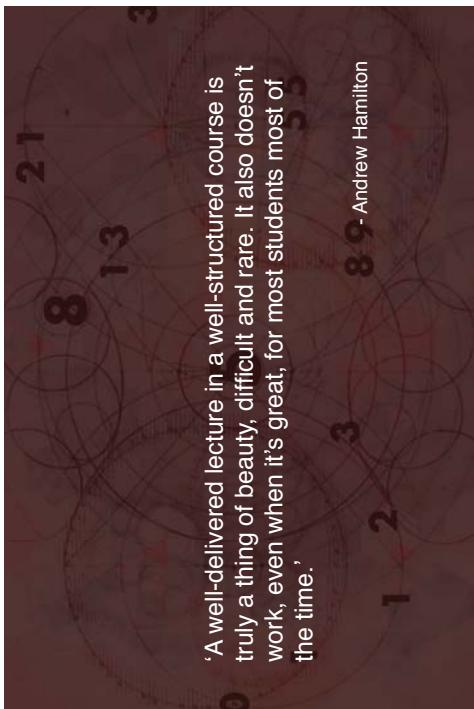


0 Capture 20–40% of main ideas (Kiewra, 2002)



0 Recall 25% 3 hours afterwards...

... 10% to 20% after three days (Edgar, 1969)

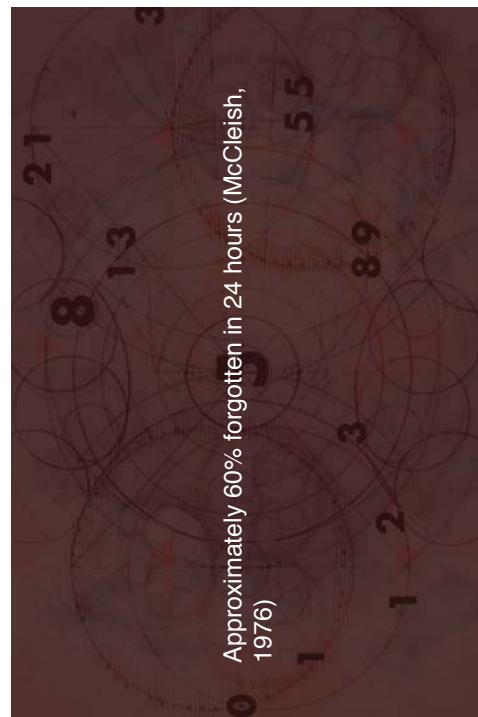


0 'A well-delivered lecture in a well-structured course is truly a thing of beauty, difficult and rare. It also doesn't work, even when it's great, for most students most of the time.'

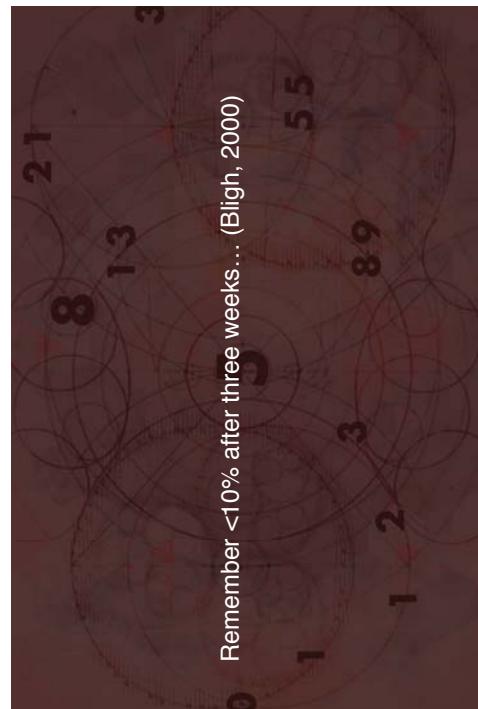
3 8 9 - Andrew Hamilton



0 ...studies in native language learners (US)



0 Approximately 60% forgotten in 24 hours (McCleish, 1976)



0 Remember <10% after three weeks... (Bligh, 2000)

2 1  
8  
3  
1 3  
8  
1 3  
2 1  
3  
1 3  
8  
1 3  
5  
Peer Instruction

## 'The Art of Lecturing'

Eric Mazure

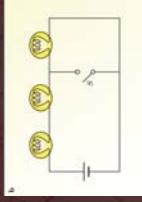


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2 1  
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1 3  
2 1  
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1 3  
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Conceptual

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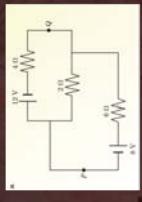


This one they failed

They knew how to get the right answer, but clearly did not understand the concept

1 This one was easy

Procedural



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2 1  
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1 3  
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1 3  
8  
1 3  
5  
'Confessions of a former lecturer' - YouTube

Eric Mazure:

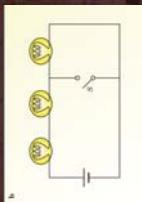


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2 1  
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3  
1 3  
8  
1 3  
2 1  
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1 3  
8  
1 3  
5  
two test questions about the same thing

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When the switch S is closed, do the following increase, decrease, or stay the same?  
 a - the intensities of bulbs A and B  
 b - the intensity of bulb C  
 c - the current drawn from the battery  
 d - the voltage drop across each bulb  
 e - the power dissipated in the circuit

For the circuit shown, calculate (a) the current in the 2-Q restore and (b) the potential difference between P and Q.

1 This one was easy

They knew how to get the right answer, but clearly did not understand the concept

1 This one they failed

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2 1  
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1 3  
3  
1 3  
8  
1 3  
5  
BLOOM'S TAXONOMY

- ...and this is just REMEMBERING



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2 1  
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1 3  
8  
1 3  
2 1  
3  
1 3  
8  
1 3  
5  
**'The Art of Lecturing'**

Based on:

- the Socratic method (Flipped classroom)
- realisation students not learning

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3

2 1

8 1 3

Phase 2 - make sense of it

- requires TIME

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3

2 1

8

Phase 1 - is it important?

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3

2 1

8 1 3

Conceptual

5 5

This realisation led him to abandon lecturing

'They did no better than gorilla!'

1 2

1 1

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3

2 1

8 1 3

5 5

The lecture format reconsidered:

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3

2 1

8 1 3

5 5

Phase 3: processing for long-term memory

- meaning and associations

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3

2 1

8 1 3

5 5

First two phases short-term processing for long-term memory

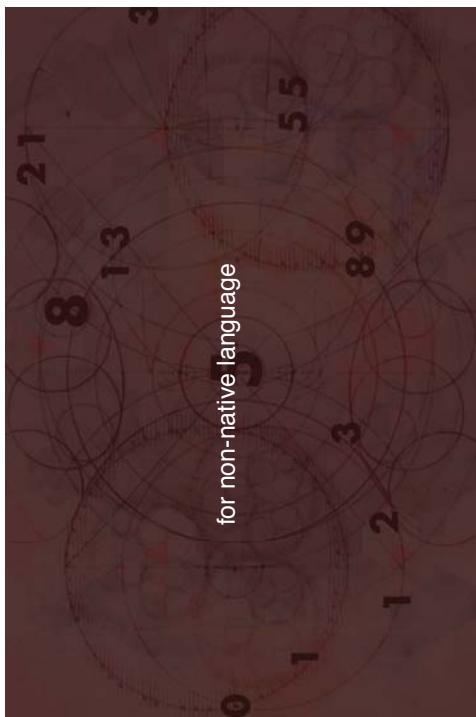
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- Hexachordal combinatoriality
- Z-related interval class vectors
- Harmonic rhythm
- Registered completion



Ideal rate of delivery:  
varies for each individual's background each topic



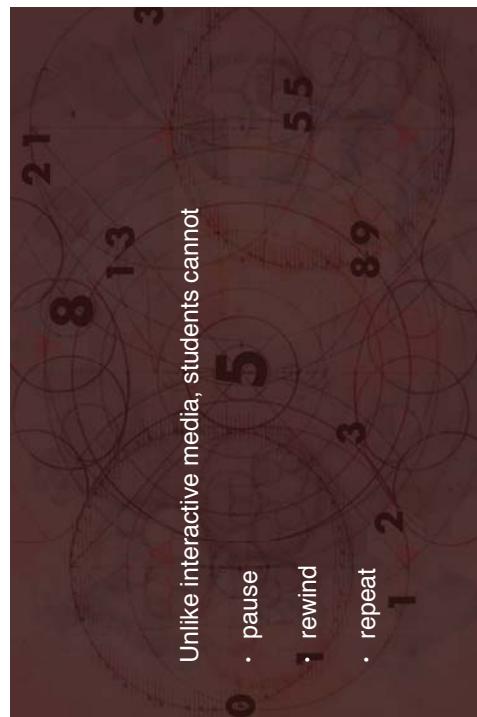
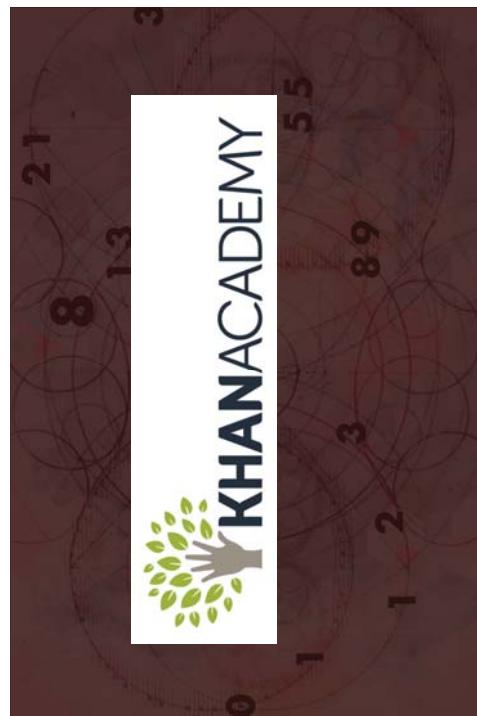
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- pause
- rewind
- repeat



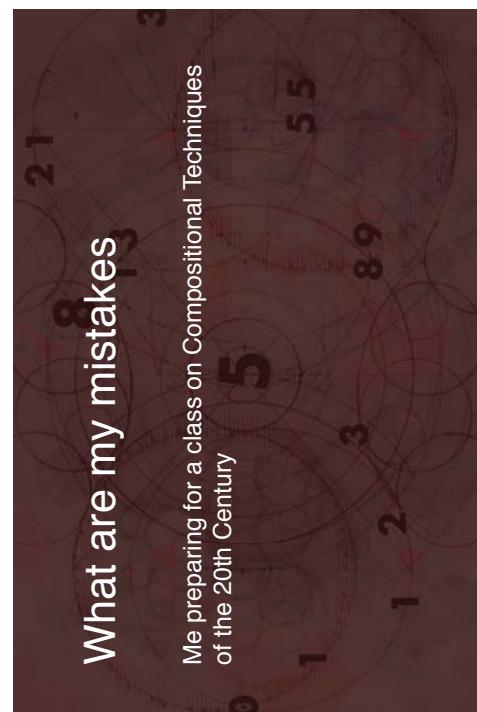
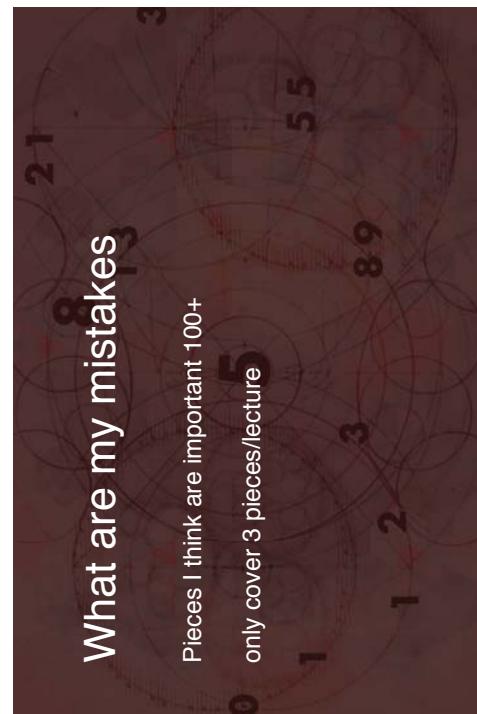
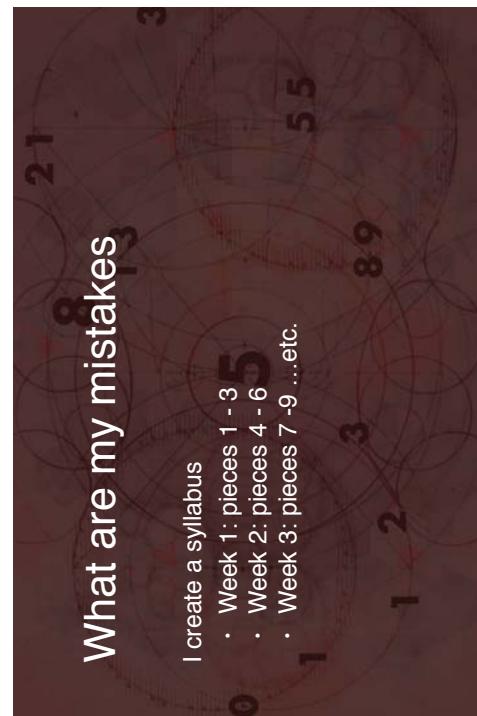
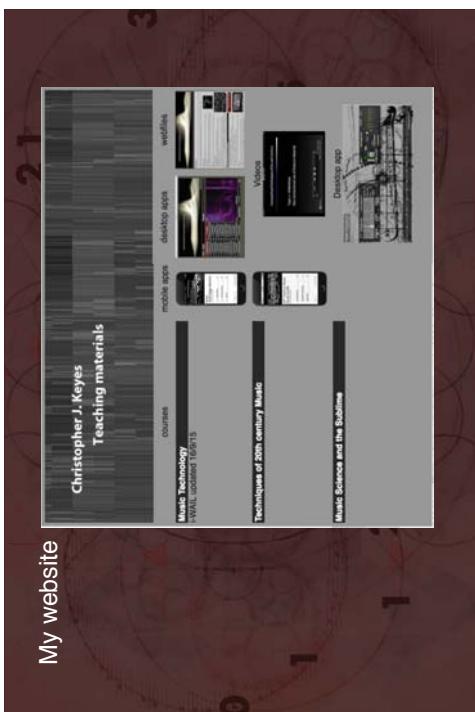
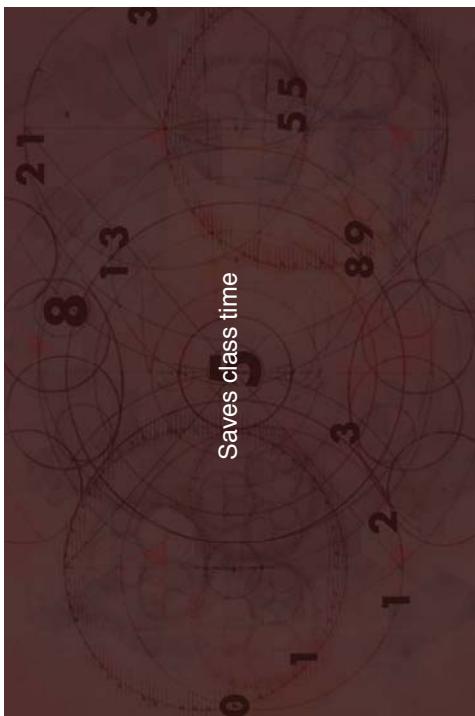
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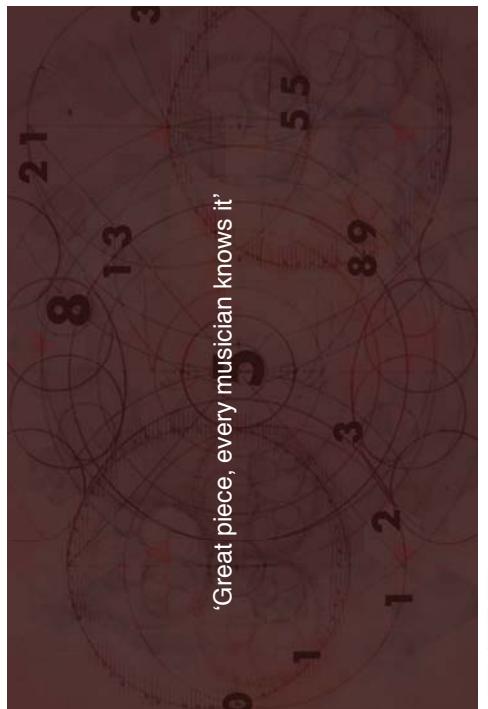
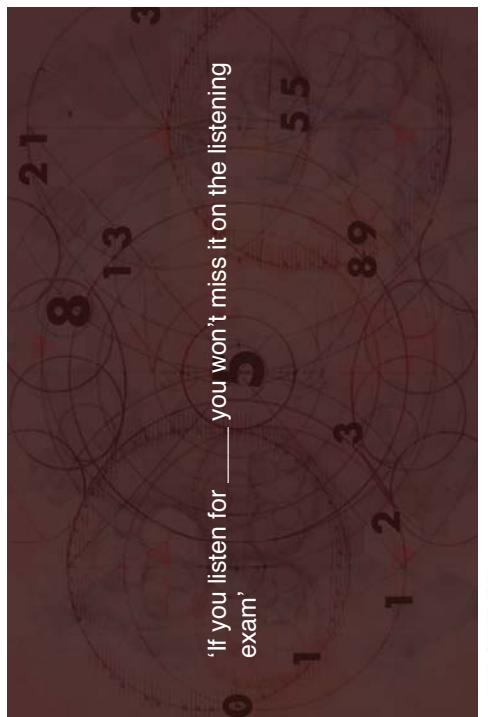
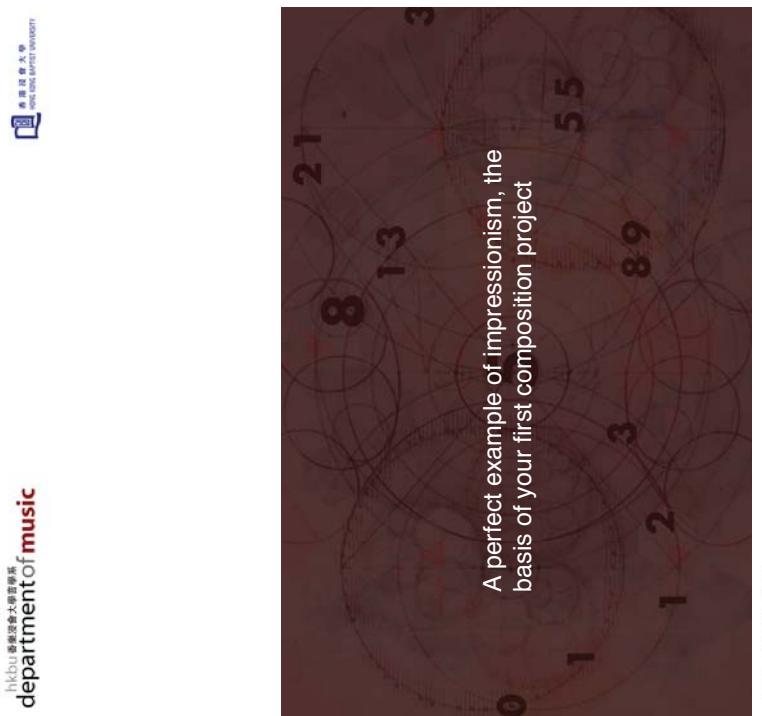
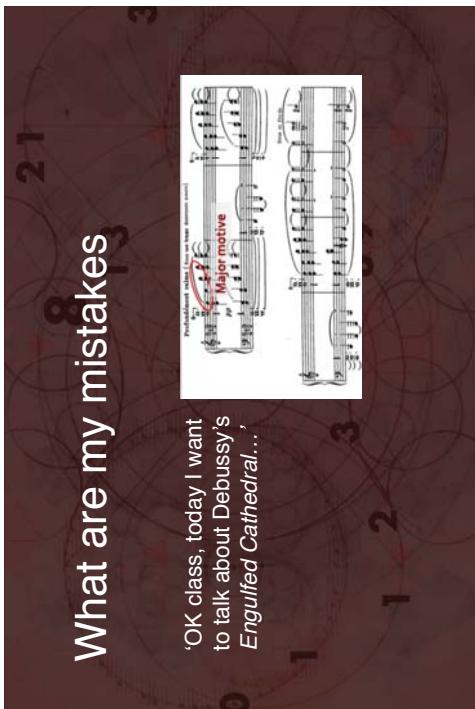
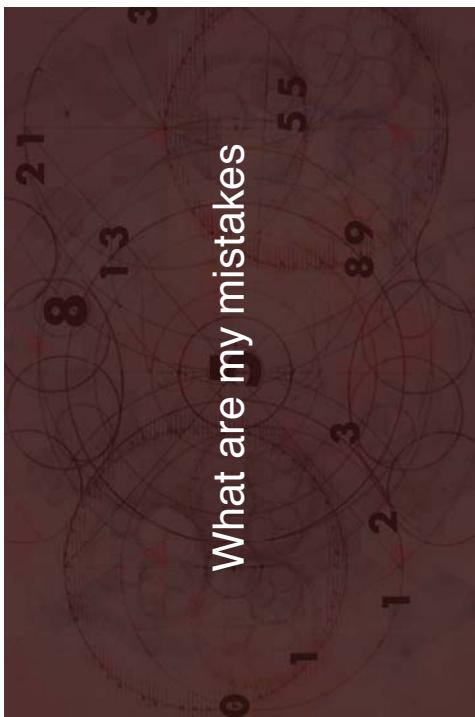
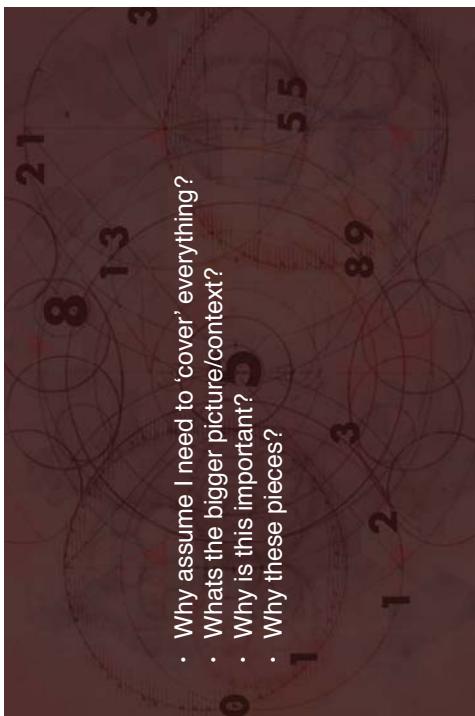
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Exercise:

What are they *important*?

What do most of your students have difficulty with every year?

Please write out on the paper provided

pause

Share software solutions

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Exercise:

Why are they *important*?

What would *motive* students to tackle them?

Please write out on the paper provided

pause

Share software solutions

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Exercise:

What are your most difficult pedagogical problems?

What do most of your students have difficulty with every year?

Please write out on the paper provided

pause

Share software solutions

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20th Music Study Guide

Techniques of 20th Century Composition

Interactive Study Guide

Old-Spanish - Megalobunda III mp3

Joseph Schwartreiter - Magnificat in Two Parts in A Major & Agnus Dei in B Major

Allegro di molto in any bar cycles through all 12 pitch classes in the first 2 systems

Chords based on the (Quintal) harmony

Uses frequently changing and complex compound meters

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20th Century Listening tests, typical year:

35-40% fail

Year	Failure (%)
1991	91
1992	82
1993	73
1994	64
1995	56
1996	47
1997	39
1998	29
1999	20

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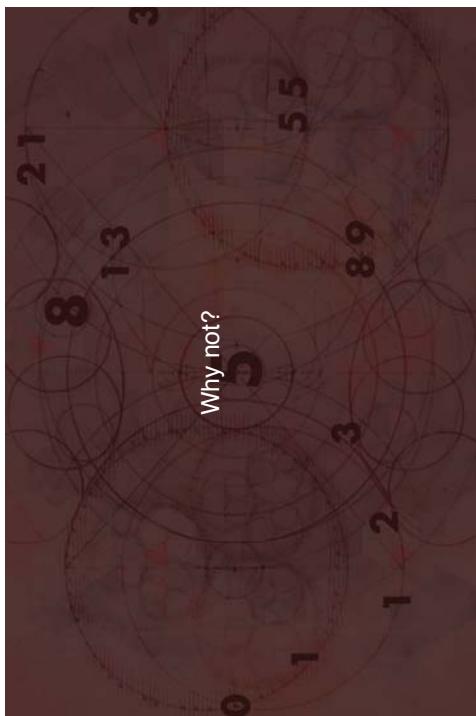
Demonstrations

Desktop:

- i-WALL
- Digital Monochord
- 20th-Century Music Study Guide

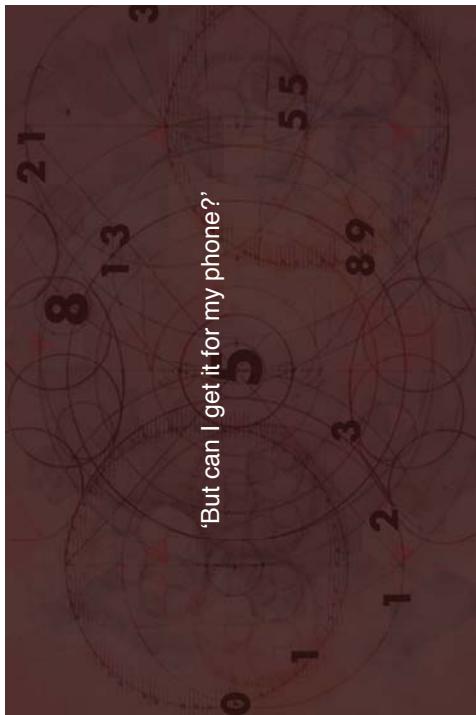
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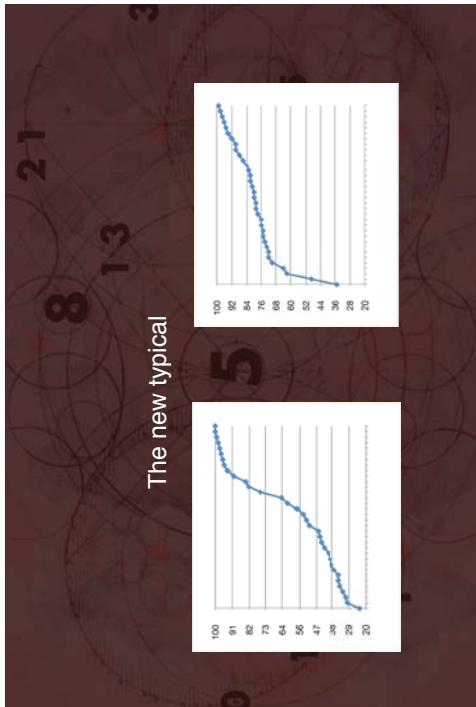
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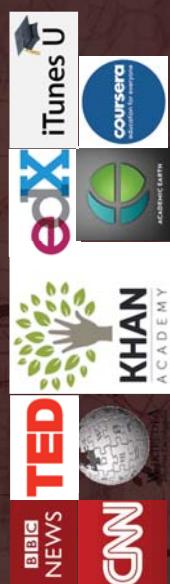
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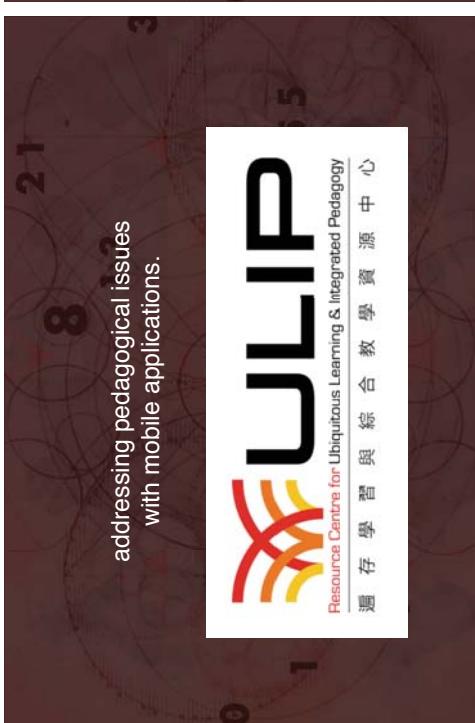
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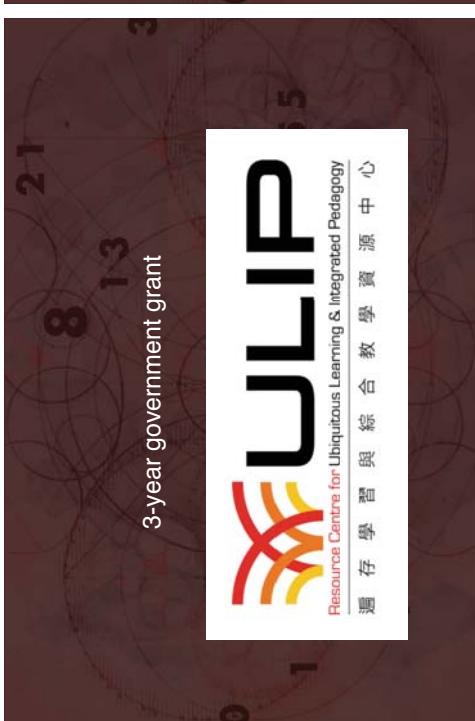
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