Teach<mark>i</mark>ng Handb<mark>o</mark>ok

Your one-stop shop for teaching strategies, classroom preparation, and self-assessment

Designed, composed, and written by the 2019-2020 Calculus Community of Practice at the University of Toronto.



Teaching Handbook

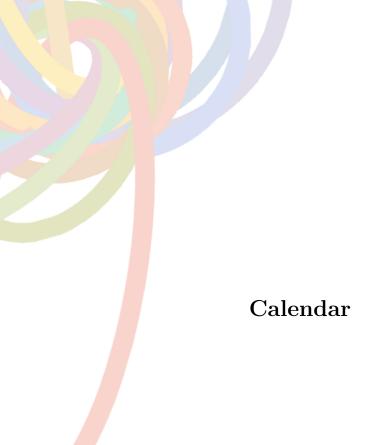
Designed, composed, and written by the 2019-2020 Calculus Community of Practice at the University of Toronto.



Contents

Calendar	5
Lesson Plans	11
Teaching Toolbox	175
Timed Think	176
Think-Pair-Share (TPS)	177
Punctu <mark>ate</mark> d Lecture	178
Free-For-All Online Discussion	179
1-Min <mark>ute</mark> Essay	180
Fill-I <mark>n B</mark> lanks	181
Write & Quiz	182
Concept Map	183
Critique History & News	184
Going Through the Steps	185
The Tommy Question	186
Round Robin	187
Ice Cream Sandwich	188
Draw the Definition/Theorem	189
Geogebra Applets	190
Jigsaw	191
Gameshow	192
Paper Passaround	193
Run the Test	194
Targeted Reflection Questions	202
Critical Incident Questionnaire	203
Resources	204





Year:

August								September							October						
S	M	T	W	T	F	S	S	M	T	W	T	F	S		S	M	T	W	T	F	S
							_														
							_	-													
							-														
																<u> </u>	<u> </u>		<u> </u>		
Week							Tex	tbook S	ection	S						Tutor	ial Ac	tivitie	S		
1															-						
2																					
3																					
4							_								•						
5							_								•						
6							_								•						_
7							_								-						
8	_						_								-						
9							_								•						
	_						_								•						_
10							_								•						
11							_								•						
12							_								-						_
13							_														
14							_								•						
15							_								•						
16							_														

November												
S	M	T	W	T	F	S						

December										
M	T	W	T	F	S					
	M									

Key Dates

Year:

January								February							March							
S	M	T	W	T	F	S	Γ	S	M	T	W	T	F	S		S	M	T	W	T	F	S
							<u> </u>															
							_									-						
							-									-						
							-															
							_															
Veek							Te	xtb	100k S	ection	S						Tuto	ial Ac	tivitie	S		
							_									_						
							_									_						
																_						
							_									_						
																_						
																_						
																_						
•																_						
							_									-						
0							_									-						
1							_									-	_					
2 .							_									-						
3							_									-						
4							_									-						
· 5							-									-						
,							_									-						

Арги											
S	M	T	W	T	F	S					

May											
S	M	T	W	T	F	S					

Key Dates



Lesson Plans



Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
1
3
5
Teacher Development
I will focus on\expect to struggle with\am going to try

	Activities	
Objectives related to activity	Activities	Time estimates

	Activities	
\sim		
ivit		
act		es
ed to		mat
elate		esti
es r		Time estimates
Objectives related to activity		H
Obje		

	Reflection: fightights	
		Ì
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
	Reflection. Targeted Question (see Other Resources)	
		
	Did it live up to my expectations?	
	1 2 3 4 5 6 7 8 9 10	
\mathbf{W}	hy?	

Title: References: Last Class: Next Class:			
One Sentence Summa	ary		
Objectives			
1			
2			
3			
4			
5			
Teacher Development I will focus on\expect to struggle with\am going to try			

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

		Activities	
1			
1			
	>		
	ivity		
	act		es S
	ed to		mat
	elate		Time estimates
1	es re		ime
	Objectives related to activity		H
	Obje		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10	4		
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
1
3
5
Teacher Development
I will focus on\expect to struggle with\am going to try

	Activities	
Objectives related to activity	Activities	Time estimates

	Activities	
<u> </u>		
tivit		
0 ac		tes
ed t		ima
relat		e est
ves		Time estimates
Objectives related to activity		
0 p		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10	1		
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		· <u></u>	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		Did it live we to me and time?	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
w ny :	***		
	V	ny:	

Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
1
3
5
Teacher Development
I will focus on\expect to struggle with\am going to try

Activities	
vity	
to	ate
Objectives related to activity	Time estimates
	ne e
ives	
oject	
- 	

	Activities	
ity		
activ		
to 8		ates
ated		stim
s rel		Time estimates
tive		T _{ii}
Objectives related to activity		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:			
References:			
Last Class:			
Next Class:			
One Sentence Summary			
Objectives			
1			
3			
5			
Teacher Development			
I will focus on\expect to struggle with\am going to try			

	Activities	
	TRESTVICTES	
ity		
Objectives related to activity		tes
related		Time estimates
ectives		Timo
Obj		

	Activities	
>		
ivit		
act		es
ed to		mat
elate		esti
es r		Time estimates
Objectives related to activity		H
Obje		

	Reflection: fightights	
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
		Ì
	Did it live up to my expectations?	
	Did it live up to my expectations:	
	1 2 3 4 5 6 7 8 9 10	
\mathbf{W}	hy?	

	Title:		
	rences:		
	Class:		
Next	Class:		
		One Sentence Summary	
		Objectives	
1 _			
2 _			
3 _			
4 _			
5 _			
_			
		Teacher Development	
I will focus on\expect to struggle with\am going to try			

	Activities	
	receivities	
vity		
acti		70
to		ate
rted		tim
rela		e es
Objectives related to activity		Time estimates
ecti		
Obje		

		Activities	
_			
	_		
	ivity		
	o act		ses
	ed t		Time estimates
	relat		e est
4	ives		Tim
	Objectives related to activity		
	0		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10	4		
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
1
3
5
Teacher Development
I will focus on\expect to struggle with\am going to try

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

		Activities	
	>		
	IVIŲ		
	act		es S
	ig tc		mat
	elate		esti
	es re		Time estimates
:	Objectives related to activity		
	Jbje		

Reflection: Highlights	
Reflection: A lesson for next time	
Reflection: Targeted Question (see "Other Resour	ces")
Did it live up to my expectations?	
1 2 3 4 5 6 7 8 9 10	
Why?	

Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
1
3
5
Teacher Development
I will focus on\expect to struggle with\am going to try

	Activities	
ty		
tivi		
20 ac		tes
ted 1		tima
Objectives related to activity		Time estimates
lves		Tim
jecti		
Ob		

		Activities	
1			
	\sim		
	ivit		
	act		es
	ed to		mat
	elate		esti
	es r		Time estimates
	Objectives related to activity		H
	Obje		

	Reflection: fightights	
		Ì
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
	Reflection. Targeted Question (see Other Resources)	
		
	Did it live up to my expectations?	
	1 2 3 4 5 6 7 8 9 10	
\mathbf{W}	hy?	

Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
1
3
5
Teacher Development
I will focus on\expect to struggle with\am going to try

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

		Activities	
1			
	\sim		
	ivit		
	act		es
	ed to		mat
	elate		esti
	es r		Time estimates
	Objectives related to activity		H
	Obje		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10	4		
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title: References: Last Class:				
Next Class:				
One Sentence Summary				
Objectives				
1				
2				
3				
4				
5				
Teacher Development				
I will focus on\expect to struggle with\am going to try				

	Activities	
	17001110100	
ph.		
tivi		
0 90		tes
led t		Time estimates
relat		est
ves 1		l'ime
Objectives related to activity		
0bj		

		Activities	
1			
	\sim		
	ivit		
	act		es
	ed to		mat
	elate		esti
	es r		Time estimates
	Objectives related to activity		H
	Obje		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
1
3
5
Teacher Development
I will focus on\expect to struggle with\am going to try

	Activities	
	17001110100	
ph.		
tivi		
0 90		tes
led t		Time estimates
relat		est
ves 1		l'ime
Objectives related to activity		
0bj		

Objectives related to activity Time estimates			Activities	
Objectives related to activity				
Objectives related to activity Time estimates				
Objectives related to activity Time estimates	4			
Objectives related to activity Time estimates				
Objectives related to activity	4			
Objectives related to activity Time estimates				
Objectives related to activity				
Objectives related to activity				
Objectives related to activity				
Objectives related to activity Time estimates				
Objectives related to active actives related to active actives. Time estimates		rity		
Objectives related to a		ctiv		
Objectives related		to 8		ates
Objectives rela		ted		tim
Objectives		rela		se es
	1	Ives		Tim
		jecti		
		Ob		

	Reflection: Highlights	
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
	Did it live up to my expectations?	
	1 2 3 4 5 6 7 8 9 10	
W	Vhy?	

Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
1
3
5
Teacher Development
I will focus on\expect to struggle with\am going to try

	Activities	
	17001110100	
ph.		
tivi		
0 90		tes
led t		Time estimates
relat		est
ves 1		l'ime
Objectives related to activity		
0bj		

Objectives related to activity Time estimates			Activities	
Objectives related to activity				
Objectives related to activity Time estimates				
Objectives related to activity Time estimates	4			
Objectives related to activity Time estimates				
Objectives related to activity	4			
Objectives related to activity Time estimates				
Objectives related to activity				
Objectives related to activity				
Objectives related to activity				
Objectives related to activity Time estimates				
Objectives related to active actives related to active actives. Time estimates		rity		
Objectives related to a		ctiv		
Objectives related		to 8		ates
Objectives rela		ted		tim
Objectives		rela		se es
	1	Ives		Tim
		jecti		
		Ob		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
1
3
5
Teacher Development
I will focus on\expect to struggle with\am going to try

	Activities	
	17001110100	
ph.		
tivi		
0 90		tes
led t		Time estimates
relat		est
ves 1		l'ime
Objectives related to activity		
0bj		

Objectives related to activity Time estimates			Activities	
Objectives related to activity				
Objectives related to activity Time estimates				
Objectives related to activity Time estimates	4			
Objectives related to activity Time estimates				
Objectives related to activity	4			
Objectives related to activity Time estimates				
Objectives related to activity				
Objectives related to activity				
Objectives related to activity				
Objectives related to activity Time estimates				
Objectives related to active actives related to active actives. Time estimates		rity		
Objectives related to a		ctiv		
Objectives related		to 8		ates
Objectives rela		ted		tim
Objectives		rela		se es
	1	Ives		Tim
		jecti		
		Ob		

	Reflection: fightights	
		Ì
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
	Reflection. Targeted Question (see Other Resources)	
		
	Did it live up to my expectations?	
	1 2 3 4 5 6 7 8 9 10	
\mathbf{W}	hy?	

Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
3
4
5
Teacher Development
I will focus on\expect to struggle with\am going to try

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

		Activities	
1			
1			
	>		
	ivity		
	act		es S
	ed to		mat
	elate		Time estimates
1	es re		ime
	Objectives related to activity		H
	Obje		

	Reflection: fightights	
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
		Ì
	Did it live up to my expectations?	
	Did it live up to my expectations:	
	1 2 3 4 5 6 7 8 9 10	
\mathbf{W}	hy?	

Title: References: Last Class:
Next Class:
One Sentence Summary
Objectives
1
2
3
4
5
Teacher Development
I will focus on\expect to struggle with\am going to try

Objectives related to activity Time estimates		Activities	
	Objectives related to activity	Activities	Time estimates

		Activities	
1		TionFines	
1			
	ty		
	tivi		
	ac		6S
	d te		nat
	late		estii
	Objectives related to activity		Time estimates
1	ive		Hir
	ject		
	90		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

	Title:			
	erences:			
	Class:			
Nexi	t Class:			
		One Sentence Summary		
		Objectives		
		Objectives		
1 -				
2				
3 -				
4				
- -				
5 -				
		Teacher Development		
I will focus on\expect to struggle with\am going to try				

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

	Activities	
vity		
acti	-	W
to t		nate
lated		stin
s rej		Time estimates
tive		Hi
Objectives related to activity		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10	4		
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

	Title:				
	erences: t Class:				
Nex	t Class:				
		One Senten	e Summary]	
		Obje	ctives		
1					
2					
3					
4					
5					
		Teacher De	evelopment		
I will	I will focus on\expect to struggle with\am going to try				

Objectives related to activity Time estimates		Activities	
	Objectives related to activity	Activities	Time estimates

		Activities	
4			
_			
1			
	ivity		
	act		S
	d to		nate
	late		estii
	es re		Time estimates
	Objectives related to activity		Ä
)bje		

	Reflection: fightights	
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
		Ì
	Did it live up to my expectations?	
	Did it live up to my expectations:	
	1 2 3 4 5 6 7 8 9 10	
\mathbf{W}	hy?	

Title:				
References:				
Last Class:				
Next Class:				
One Sentence Summary				
Objectives				
1				
3				
5				
Teacher Development				
I will focus on\expect to struggle with\am going to try				
, , , , , , , , , , , , , , , , , , , ,				

	Activities	
	Activities	
<u> </u>		
ivit		
act		S S
d to		mat
elate		esti
es re		Time estimates
Objectives related to activity		
Obje		

	Activities	
ity		
activ		
to 8		ates
ated		stim
s rel		Time estimates
tive		T _{ii}
Objectives related to activity		

	Reflection: fightights	
		Ì
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
	Reflection. Targeted Question (see Other Resources)	
		
	Did it live up to my expectations?	
	1 2 3 4 5 6 7 8 9 10	
\mathbf{W}	hy?	

Title:			
References:			
Last Class:			
Next Class:			
One Sentence Summary			
Objectives			
1			
3			
5			
Teacher Development			
I will focus on\expect to struggle with\am going to try			

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

,		Activities	
4			
4			
	ity		
	ctiv		
	to a		tes
	red		time
	relat		est est
4	ves		Time estimates
	Objectives related to activity		
	Obj		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10	4		
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title: References: Last Class: Next Class:			
One Sentence Summa	ary		
Objectives			
1			
2			
3			
4			
5			
Teacher Development I will focus on\expect to struggle with\am going to try			

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

		Activities		
vity				
acti				70
to				ıate
ated				stin
s rel				Time estimates
tive				H
Objectives related to activity	-			

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:			
One Sentence Summary			
Objectives			
1			
2			
3			
4			
5			
Teacher Development			
I will focus on\expect to struggle with\am going to try			

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

	Activities	
	,	
\		
ivit		
o act		es
ed to		mat
Objectives related to activity		Time estimates
res r		ime
ectiv		
Obje		

	Reflection: fightights	
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
		Ì
	Did it live up to my expectations?	
	Did it live up to my expectations:	
	1 2 3 4 5 6 7 8 9 10	
\mathbf{W}	hy?	

Title:				
One Sentence Summary				
Objectives				
1				
2				
3				
4				
5				
Teacher Development				
I will focus on\expect to struggle with\am going to try				

	Activities	
ty		
tivi		
20 ac		tes
ted 1		tima
Objectives related to activity		Time estimates
lves		Tim
jecti		
Ob		

		Activities	
	/ity		
	activ		
	to 8		ates
	ated		stim
	rela		Time estimates
1	ives		Tin
	Objectives related to activity		
	00		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:				
One Sentence Summary				
Objectives				
1				
2				
3				
4				
5				
Teacher Development				
I will focus on\expect to struggle with\am going to try				

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

		Activities	
_			
4			
	Ž2		
	tivit		
	o ac		es
	ed to		mat
	elate		esti
	es re		Time estimates
	Objectives related to activity		\vdash
	bje		
	0		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title: References: Last Class: Next Class:			
One Sentence Summa	ary		
Objectives			
1			
2			
3			
4			
5			
Teacher Development I will focus on\expect to struggle with\am going to try			

	Activities	
	receivities	
<u></u>		
vity		
acti		
to		ates
ted		tim
rela		e es
Objectives related to activity		Time estimates
ectir		
)bje		

	Activities	
ity		
activ		
to 8		ates
ated		stim
s rel		Time estimates
tive		T _{ii}
Objectives related to activity		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:			
References:			
Last Class:			
Next Class:			
One Sentence Summary			
Objectives			
3			
4			
5			
Teacher Development			
I will focus on\expect to struggle with\am going to try			

	Activities	
vity		
acti		
to		ates
ated		stim
Objectives related to activity		Time estimates
ives		Tim
ject		
0p		

		Activities	
4			
	£2		
	tivi		
) ac		es
	ed to		mat
	Objectives related to activity		Time estimates
	es re		ime
	ctive		H
	bje		
	0		

	Reflection: fightights	
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
		Ì
	Did it live up to my expectations?	
	Did it live up to my expectations:	
	1 2 3 4 5 6 7 8 9 10	
\mathbf{W}	hy?	

Title: References: Last Class: Next Class:			
One Sentence Summa	ary		
Objectives			
1			
2			
3			
4			
5			
Teacher Development I will focus on\expect to struggle with\am going to try			

	Activities	
	receivities	
<u></u>		
vity		
acti		
to		ates
ted		tim
rela		e es
Objectives related to activity		Time estimates
ectir		
)bje		

		Activities	
4			
	£2		
	tivi		
) ac		es
	ed to		mat
	Objectives related to activity		Time estimates
	es re		ime
	ctive		H
	bje		
	0		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title: References: Last Class: Next Class:			
One Sentence Summa	ary		
Objectives			
1			
2			
3			
4			
5			
Teacher Development I will focus on\expect to struggle with\am going to try			

	Activities	
vity		
acti		
to		ates
ated		stim
Objectives related to activity		Time estimates
ives		Tim
ject		
0p		

		Activities	
_			
4			
	Ž2		
	tivit		
	o ac		es
	ed to		mat
	elate		esti
	es re		Time estimates
	Objectives related to activity		\vdash
	bje		
	0		

	Reflection: Highlights	
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
	Did it live up to my expectations?	
	1 2 3 4 5 6 7 8 9 10	
W	Vhy?	

Title: References: Last Class: Next Class:				
One Sentence Summa	ary			
Objectives				
1				
2				
3				
4				
5				
Teacher Development I will focus on\expect to struggle with\am going to try				

	Activities	
	receivities	
<u></u>		
vity		
acti		
to		ates
ted		tim
rela		e es
Objectives related to activity		Time estimates
ectir		
)bje		

		Activities	
_			
	_		
	ivity		
	o act		ses
	ed t		Time estimates
	relat		e est
4	ives		Tim
	Objectives related to activity		
	0		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title: References: Last Class: Next Class:				
One Sentence Summa	ary			
Objectives				
1				
2				
3				
4				
5				
Teacher Development I will focus on\expect to struggle with\am going to try				

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

		Activities	
4			
_			
1			
	ivity		
	act		S
	d to		nate
	late		estii
	es re		Time estimates
	Objectives related to activity		Ä
)bje		
	0		

	Reflection: Highlights	
4		
	Reflection: A lesson for next time	
		,
	Reflection: Targeted Question (see "Other Resources")	
	D:1:1:	
	Did it live up to my expectations?	
	1 2 3 4 5 6 7 8 9 10	
137	hy?	
VV	ily •	_

Title:				
One Sentence Summary				
Objectives				
1				
2				
3				
4				
5				
Teacher Development				
I will focus on\expect to struggle with\am going to try				

Activities	
vity	
to	ate
Objectives related to activity	Time estimates
	ne e
ives	
oject	
- 	

Objectives related to activity Time estimates			Activities	
Objectives related to activity				
Objectives related to activity Time estimates				
Objectives related to activity Time estimates	4			
Objectives related to activity Time estimates				
Objectives related to activity	4			
Objectives related to activity Time estimates				
Objectives related to activity				
Objectives related to activity				
Objectives related to activity				
Objectives related to activity Time estimates				
Objectives related to active actives related to active actives. Time estimates		rity		
Objectives related to a		ctiv		
Objectives related		to 8		ates
Objectives rela		ted		tim
Objectives		rela		se es
	1	Ives		Tim
		jecti		
		Ob		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:				
One Sentence Summary				
Objectives				
1				
2				
3				
4				
5				
Teacher Development				
I will focus on\expect to struggle with\am going to try				

Activities	
vity	
to	ate
Objectives related to activity	Time estimates
	ne e
ives	
oject	
- 	

		Activities	
4			
	£3		
	tivi		
) ac		es
	ed to		mat
	Objectives related to activity		Time estimates
	es re		ime
	ctive		H
	bje		
	0		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:				
One Sentence Summary				
Objectives				
1				
2				
3				
4				
5				
Teacher Development				
I will focus on\expect to struggle with\am going to try				

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

		Activities	
4			
1			
	δ.		
	ivit		
	act		S
	1 to		nate
	atec		stin
	Objectives related to activity		Time estimates
4	lves		Tim
	ecti		
	Obj		

	Reflection: fightights	
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
		Ì
	Did it live up to my expectations?	
	Did it live up to my expectations:	
	1 2 3 4 5 6 7 8 9 10	
\mathbf{W}	hy?	

Title: References: Last Class: Next Class:				
One Sentence Summa	ary			
Objectives				
1				
2				
3				
4				
5				
Teacher Development I will focus on\expect to struggle with\am going to try				

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

		Activities	
1			
	\sim		
	ivit		
	act		es
	ed to		mat
	elate		esti
	es r		Time estimates
	Objectives related to activity		H
	Obje		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
1
3
5
Teacher Development
I will focus on\expect to struggle with\am going to try

	Activities	
<u></u>		
vity		
acti		స్ట
l to		nate
atec		stin
Objectives related to activity		Time estimates
tive		Ë
bjec		

		Activities	
	,		· ·
	ity		
	ctiv		
	О		tes
	id t		ma
	late		esti
	s re		Time estimates
1	Objectives related to activity		Tii
	ject		
	0p		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:			
One Sentence Summary			
Objectives			
1			
2			
3			
4			
5			
Teacher Development			
I will focus on\expect to struggle with\am going to try			

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

		Activities	
	•		· ·
_			
4			
	>		
	ivit		
	act		S
	d to		nate
	late		stir
	s rej		Time estimates
1	tive		E
	Objectives related to activity		
	0		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
1
3
5
Teacher Development
I will focus on\expect to struggle with\am going to try

Activities	
vity	
to	ate
Objectives related to activity	Time estimates
	ne e
ives	
oject	
- 	

Objectives related to activity Time estimates			Activities	
Objectives related to activity				
Objectives related to activity Time estimates				
Objectives related to activity Time estimates	4			
Objectives related to activity Time estimates				
Objectives related to activity	4			
Objectives related to activity Time estimates				
Objectives related to activity				
Objectives related to activity				
Objectives related to activity				
Objectives related to activity Time estimates				
Objectives related to active actives related to active actives. Time estimates		rity		
Objectives related to a		ctiv		
Objectives related		to 8		ates
Objectives rela		ted		tim
Objectives		rela		se es
	1	Ives		Tim
		jecti		
		Ob		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:				
One Sentence Summary				
Objectives				
1				
2				
3				
4				
5				
Teacher Development				
I will focus on\expect to struggle with\am going to try				

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

		Activities	
4			
	£3		
	tivi		
) ac		es
	ed to		mat
	Objectives related to activity		Time estimates
	es re		ime
	ctive		H
	bje		
	0		

	Reflection: fightights	
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
		Ì
	Did it live up to my expectations?	
	Did it live up to my expectations:	
	1 2 3 4 5 6 7 8 9 10	
\mathbf{W}	hy?	

Title: References: Last Class: Next Class:				
One Sentence Summa	ary			
Objectives				
1				
2				
3				
4				
5				
Teacher Development I will focus on\expect to struggle with\am going to try				

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

		Activities	
_			
4			
	Ž2		
	tivit		
	o ac		es
	ed to		mat
	elate		esti
	es re		Time estimates
	Objectives related to activity		\vdash
	bje		
	0		

	Reflection: Highlights	
4		
	Reflection: A lesson for next time	
	Reflection: Targeted Question (see "Other Resources")	
	Did it live up to my expectations?	
	DRI It live up to my expectations:	
	1 2 3 4 5 6 7 8 9 10	

W	hy?	

Title: References: Last Class: Next Class:				
One Sentence Summa	ary			
Objectives				
1				
2				
3				
4				
5				
Teacher Development I will focus on\expect to struggle with\am going to try				

	Activities	
	Activities	
ty.		
Objectives related to activity		es
lated to		Time estimates
tives re		Time
Objec		

	Activities	
ity		
activ		
to 8		ates
ated		stim
s rel		Time estimates
tive		T _{ii}
Objectives related to activity		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	

Title:
References:
Last Class:
Next Class:
One Sentence Summary
Objectives
1
3
5
Teacher Development
I will focus on\expect to struggle with\am going to try

	Activities	
	17001110100	
ph.		
tivi		
0 90		tes
led t		Time estimates
relat		est
ves 1		l'ime
Objectives related to activity		
0bj		

		Activities	
4			
_			
1			
	ivity		
	act		S
	d to		nate
	late		estii
	es re		Time estimates
	Objectives related to activity		Ä
)bje		
	0		

Reflection: A lesson for next time Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10 Why?		Reflection: Highlights	
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Reflection: Targeted Question (see "Other Resources") Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: A lesson for next time	
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10			
Did it live up to my expectations? 1 2 3 4 5 6 7 8 9 10		Reflection: Targeted Question (see "Other Resources")	
1 2 3 4 5 6 7 8 9 10		, , , , , , , , , , , , , , , , , , ,	
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10			
1 2 3 4 5 6 7 8 9 10		D:1:41:	
		Did it live up to my expectations?	
		1 2 3 4 5 6 7 8 9 10	
vv ny :	***		
	VV.	ny:	





Teaching Toolbox

Timed Think

Pose a question, give the students a set time to think about the answer silently, then ask the question again and call on a student to answer it. Timed group discussion, timed pair discussion, untimed lecture pause (ie, pause lecture until enough hands are raised).
In the case of a silent class, this will generally force an answer from the room. In
feedback, students often want more time
to think about a problem after it is asked.
Experiences

Think-Pair-Share (TPS)

	With a question posed, students think silently about an answer. Then they pair
	up, and share their response with their
Possible Variants:	neighbour. Explain instead of share, Think-Group-Share, Think-Pair-Share with a class-room voting system (Think-Vote-Share-Vote), repeated Think-Pair-Share-Think-Pair-Share, Think-Pair-Share where during the "Pair" step the student must find a classmate who has a different answer to them.
Uses:	This is the crux of active learning, and
	should be used for simple, conceptual ques-
	tions, not long computational question.
Tips&Tricks:	
	Experiences

Punctuated Lecture

What it is:	A fast-paced lecture, where at the end of every slide there is a comprehension-style question, such as "why does this computation work?", "explain this step". The question is then worked through using TPS .
Possible Variants:	Questions can be posed in an interactive voting system, see also: Going Through the Steps
Uses:	This is a good technique for getting through material that is emphasized in class, as opposed to reviewing pre-class material. It combos well with timed thinks and TPS.
Tips&Tricks:	
	Experiences

Free-For-All Online Discussion

What it is: Possible Variants:	A class-wide open discussion, where any student can contribute text or pictures to a forum-style tool. This can be done using TopHat, Google Docs, or Quercus. Timed responses, group submission, see also: Write & Quiz, Write the Test, and 1-Minute Essay.
Uses:	This can be used for getting a lot of ideas fast, and to consolidate student solutions for everyone to see and use later in studying.
Tips&Tricks:	Experiences

1-Minute Essay

What it is: Possible Variants:	Students write a 1-minute essay linking concepts, explaining a concept, or summarizing a concept learned in class. This can be done with or without a specific prompt. 5-minute essay, 1-minute paragraph, writing in groups, 1-minute list, end-of-class summary. See also: ice cream sandwich, write & quiz, and free-for-all discussion.
Uses:	This activity is a good conclusion to a lecture, module, or other topic. Walking around to pick students to read their sentences out loud to their neighbours can also
Tips&Tricks:	be used to build comfort within a group. Experiences

Fill-In Blanks

What it is:	A short, fill-in-the-blanks pop-quiz, either on the board, on a slide, or through an
D 111 W	interactive classroom response system.
Possible Variants:	Giving the word possibilities, see also: 1-
T.	minute essay
Uses:	This is a good activity to start a class or a
	topic, and to make sure that everyone has
	done the reading, is on the same page, and
	is ready to start learning.
Tips&Tricks:	
	Europianeas
	Experiences

Write & Quiz

What it is:	Students come up with a question, then
	partner up and quiz each other.
Possible Variants:	Larger groups sharing the questions, forc-
	ing questions to be conceptual or computa-
	tional. See also: free-for-all discussion,
	write the test, paper passaround.
Uses:	This is a good activity when there is a lot
	of relatively straightforward material that
	would take a long time to go over, but
	should be spot-checked. This activity also
	gets students to think about what ques-
	tions could appear on tests.
Tips&Tricks:	11
	E
	Experiences

Concept Map

What it is:	A concept map is a directed or undirected
	graph with concepts for nodes and edges
	for connections between them. Edges
	should be labeled. The activity is to make
	v
	a concept map.
Possible Variants:	Students can get: list of concepts, the con-
	cept map without edges, or the concept
	map with unlabelled edges.
Uses:	This is an excellent review-session tool, as
	it takes up the entire class, and can cover
	a lot of material. The main goal of the ac-
	tivity is to introduce students to the idea,
	not to finish the map.
Time 0-Thisler	not to mish the map.
Tips&Tricks:	
	Experiences
	Experiences

Critique History & News

What it is: Possible Variants:	A short lesson on the origins of the course content, or a news clipping related to it. The more primary sources, the better. Having students see the primary source and critique it.
Uses:	Some students love this, some hate it, but it can be used to show to students that math was always difficult, and that other
Tips&Tricks:	people also make mistakes.
	Experiences

Going Through the Steps

What it is:	Write a sequence of steps to solve a prob- lem, and go through them one by one using
Possible Variants:	other teaching-toolbox tools. Handout with steps, allow students to find
Uses:	the correct order of the steps. See also: punctuated lecture , think-pair-share . This is a good activity to use to teach students a specific problem-solving strategy.
Tips&Tricks:	
	Experiences

The Tommy Question

What it is:	Tommy writes an incorrect or incomplete solution to a problem, and the students need to fix the solution.
Possible Variants:	Use previous exam solutions, have students grade the response, let students address
Hage	their explanation to Tommy
Uses:	This is a good activity to target subtle mis- conceptions and to highlight common pit-
Tips&Tricks:	falls students may encounter
	Experiences

Round Robin

What it is:	Students get into groups and take turns highlighting key points from the lecture or course content. Possible variant: Playing Darts - Students shout concepts related to the material, and the instructor writes them down on the board. Finish with a follow-up at the end of class outlining what was and wasn't covered in class. Pairs well with a timed think	
Possible Variants:	This activity can be an opener and a closer,	
Uses: Tips&Tricks:	and reminds students that they are also responsible for things not covered in class.	
	Experiences	

Ice Cream Sandwich

What it is: Students write three things: something they've mastered in the unit, something they're struggling with, and something that was cleared up

Possible Variants: Any triple of questions can work!

Uses: Student reflection, seeing learning as a dynamic process.

Tips&Tricks:

Experiences	

Draw the Definition/Theorem

What it is:	Provide the students with a definition or theorem and have them illustrate this def- inition or theorem. Their drawing could be of an explicit example which works, or
Possible Variants:	something more general. Provide the students with a definition or theorem and a sketch. Have students fill in anything which is missing, and have them colour-code parts of the definition or theorem and colour the corresponding part of
Uses:	the picture that colour as well. Allows students to engage with a definition or theorem and build some intuition about the concept.
Tips&Tricks:	Experiences

Geogebra Applets

What it is:	Geogebra has many free applets available on its platform. It is possible to find many applets which are interactive and allow students to interact with different concepts. Be sure to test out the applet before use to ensure it is what you're looking for!
Possible Variants:	There are a variety of different applets available. Some of the applets can be an entire activity on their own, and others can be a supplement to help you illustrate an idea to students.
Uses: Tips&Tricks:	Allows students to build intuition behind different concepts in a visual, yet interactive way.
	Experiences

Jigsaw

What it is:	Break the class into groups and have each group solve a different part of a problem. At the end, every one comes together to synthesize their solutions to solve the main problem.
Possible Variants:	This can be used to fill in tables, to see patterns emerging through examples, or to solve a larger problem as a group.
Uses:	This can be used to explore theorems or definitions and build intuition.
Tips&Tricks:	
	Experiences

Gameshow

What it is:	For review, have large a variety of questions prepared which you will display one at a time. Students will answer questions, and will keep track of their longest streak of correct answers.
Possible Variants:	Could have the class break up into teams to play, or change the format to mimic a real game show (for example, Jeopardy).
Uses:	A fun way to engage students during a review class before a midterm or final exam.
Tips&Tricks:	

Experiences

Paper Passaround

What it is:	In groups, students write things on pa-
	pers, and exchange with other groups. The
	other group reads, and responds on the page.
Possible Variants:	Some examples: each group solves one of
	three problems on the board, and then cri-
	tiques another group's solution. See also:
	Write & Quiz
Uses:	This is a good physical writing exercise
	that lets students see and critique how
Tips&Tricks:	math can be communicated in writing.
Tips& Tricks:	
	[E:
	Experiences

Run the Test

What it is:	Students play the role of the instructor in
	writing, grading, or helping students dur-
	ing a test-environment. For example, stu-
	dents may be given a solved test to cri-
	tique, or could be asked to give advice to
	students before, after, or during the test
	(see: Tommy question)
Possible Variants:	An online tool to collect student-made test
	questions to create a question bank can be
	useful.
Uses:	This exercise can be used to demystify the
	test, and to highlight common mistakes.
	See also: Write & Quiz, Free-For-All
	Online Discussion
Tips&Tricks:	
	Experiences

What it is:	
Possible Variants:	
Uses:	
Tips&Tricks:	
	Experiences

What it is:	
Possible Variants:	
Uses:	
Tips&Tricks:	
	Experiences

What it is:	
Possible Variants:	
Uses:	
Tips&Tricks:	
	Experiences

What it is:	
Possible Variants:	
Uses:	
Tips&Tricks:	
	Experiences

What it is:	
Possible Variants:	
Uses:	
Tips&Tricks:	
	Experiences



Other Resources

Targeted Reflection Questions

- 1. What is something that surprised me?
- 2. Did any student make the class special?
- 3. What teaching strategy went well?
- 4. Did something funny happen?
- 5. When was the class was engaged/disengaged?
- 6. How did the space affect the class?
- 7. What did I do that was helpful?
- 8. Did something accidental happen?
- 9. When did the class feel rushed/slogged?
- 10. Expand an activity from the class
- 11. How did my body language affect the class?
- 12. What mistakes did I make?
- 13. What was a good question that was asked?
- 14. How did my introduction affect the lesson?
- 15. How did my conclusion tie the class together?
- 16. A haiku about my class.
- 17. What are my students struggling with?

Critical Incident Questionnaire

One can put this on a google docs survey for the students to complete, TopHat, or paper. The idea is to give the survey periodically throughout the semester and provide the students feedback on the lecture immediately following the survey.

A good idea is to use a URL shortener and give the students a short URL.

Critical Incident Questionnaire

- At what moment in class this week did you feel most engaged with what was happening?
- At what moment in class this week were you most distanced from what was happening?
- What action that anyone (teacher or student) took this week did you find most affirming or helpful
- What action that anyone took this week did you find most puzzling or confusing?
- What about the class this week surprised you the most?

How will you (the instructor) make changes to accommodate the student feedback? The best practice is to provide students with the summary of their responses (i.e. top replies) and indicate what changes you are implementing to address these.

Phonebook

- 1. Campus Police: 416-978-2222
- 2. Building Related Issues: 416-978-3000
- 3. Student Crisis Response: 416-946-7111
- 4. Accessibility Services: 416-978-8060
- 5.
- 6. _____

Other Resources

- 1. The Active Calculus Textbook: activecalculus.org
- 2. TopHat Field Manual: TODO
- 3. Peer Instruction: A User's Manual, by Eric Mazur
- 4. Make It Stick: The Science of Successful Learning, by Peter C. Brown
- 5. American Mathematical Society blog on math education: blogs.ams.org/matheducation/
- 6. Teaching in higher education podcast: teachingin-highered.com
- 7. Professor Mayes-Tang's Medium page (articles): medium.com/@SMayesTang

- 1. CBMS: Active Learning in Post-Secondary Mathematics Education Statement
- 2. What does active learning mean for mathematicians?, AMS Notices, B. Braun et al.
- 3. Active learning increases student performance in science, engineering, and mathematics, by S. Freeman et al.
- 4. Persistent Learning, Critical Teaching: Intelligence beliefs and active learning in mathematics courses, AMS Notices, B. Braun
- 5. From Lecture to Active Learning: Rewards for all, and is it really so different?, David Pengally
- 6. What have we learned from calculus reform? The Road to conceptual understanding, D. H. Hallett
- 7. Problem Solving: Moving from Routine to Non-routine and Beyond, AMS Notices, B. Garelick
- 8. Measuring actual learning versus feeling of learning in response to being actively engaged in the classroom, L. Deslauriers et al, PNAS, 2019.

Many thanks to Professor Mayes-Tang for her help in compiling this list.

Teaching Quotes

"I am not a teacher, but an awakener"

- Robert Frost

"I never teach my pupils. I only attempt to provide the conditions in which they can learn."

- Albert Einstein

"What we learn with pleasure we never forget."

– Alfred Mercier

"To teach is to learn twice over."

- Joseph Joubert

"I am interested in helping students feel successful; to attempt to remove the comfort zone of the passive learner and to empower students to actively engage in their own learning as well as that of their peers."

– Simon Albon

"I believe passionately in David Suzuki's notion of 'the power of one,' that I can make a difference in my work with prospective teachers and create a 'ripple effect' in education. This means I have a responsibility to be a role model as a scholar, a teacher, and mentor to help my students implement informed and thoughtful teaching practices, build communities of inquirers in their classrooms and schools, and become lifetime learners through ongoing professional development and study."

– Marilyn Chapman



"You can teach anyone who is interested in teaching to be a good teacher: to set realistic objectives, to be well organized, to be clear... What people who become truly exceptional teachers add to these basic skills is they really truly care that their students learn."

– Carol-Ann Courneya

"An educated person is transformed by what she knows; it changes her outlook, her horizons, and her habits of mind. To teach someone is to participate consciously, and carefully, in that transformation."

– Linda Farr Darling

"I let students know that in real life, there's more than one right answer. My job is to teach them how to approach a problem – how to learn, not just what to learn."

- Mary Ensom

"I emphasize clarity and planning. Equally important are a sense of humour and a courteous attitude."

- Keith Farquhar

"The thing I enjoy most is teaching first-year courses. A first-year course is not just an introduction to some subject – it is also an opportunity for the instructor to introduce students to his or her passion for that subject."

- Christopher Friedrichs



"It is a real privilege to teach students – an opportunity to 'turn them on' as opposed to doing the reverse. And the key to 'turning them on?' I feel it has to do with believing in what you are selling. For if you don't and would rather be elsewhere, students pick that up and you impact lessons. So, if there is one quote from me, it would be: It's not hard to sell something (indeed some**one**) you believe in."

– Dan Gardiner

"Teaching students less can help them remember more."

- Lee Gass

"Students seem to learn best when their curiosity is engaged and they can feel the link between the material and their own past, present or future lives. Given this, good teaching is about fostering curiosity. It is about finding, fueling, and firing up the links and creating experience within and between learners. Course content exists to be played with, tossed around until it becomes pertinent."

– Clarissa Green

"My basic teaching philosophy is to be enthusiastic about my subject, honest about potential confusions, and unambiguous in my explanations"

- Chris Orvig

"My philosophy of teaching is to provide an atmosphere of caring and respect for students in order to promote free-thinking and independent learning."

– Wayne Riggs



"My philosophy with regard to education is that the teacher should facilitate the student in their search for knowledge (rather than deliver the knowledge per se). With this in mind I try to engage the students in an interactive discussion around the specific subject matter which they need to know."

– Niamh Kelly

"I believe teaching should promote the autonomy of students; elicit the preoccupations, passions, and lived experience students bring to the academy; and create a space for articulation and scholarly inquiry of these elements in their research and in their writing. My priority is creating a learning environment with structures that engage student participation and whereby their participation shapes the learning environment."

- Karen Meyer

"I believe that teaching is a creative art in which evidence-based knowledge is applied toward meeting the learning goals of learners. I believe that effective teaching is often the spark that ignites the imagination, possibility, and promise for learners, including the teacher."

– Barbara Paterson

"Listen, respect, and respond to students' points of view; be excited about mutual engagement in construction of knowledge; love learning and its complexity. Be curious about and committed to the possibilities inherent in the intersection of scholarship, mentorship, and pedagogy."

– Marion Porath



"If your students are highly intelligent, strongly motivated and well behaved, it matters little how you teach as they will thrive anyway. If they aren't, your knowledge, preparation and skill as a teacher do matter."

– William Webber

"UBC is a big place, but it need not be an impersonal one. The instructor's job is to remember that a big class is not just a sea of faces, but a group of individuals with different backgrounds, interests and enthusiasms."

– Christopher Friedrichs

"My goal is to present topics with excitement and enthusiasm, drawing on both work and research experiences to make material relevant. Once students realize the value of their marketable skills it increases their desire to master those skills and concepts."

- Wayne Riggs



"I teach that a discovery is not simply a eureka moment, but instead a process where you capture a glimpse of nature exposed, convince your peers of what you saw and demonstrate utility. Eureka on its own is merely an observation."

– Stephen W. Scherer





