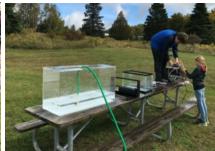
Trout in a Newark Street School Classroom March 3, 2020



What a journey!

Preparations, October 2019



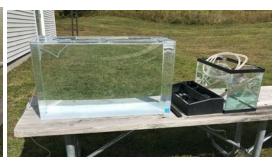












January 9, 2020
You got eggs! Hooray!
Just so you know the "DI" today = 46.172.
Temp at Eisenhower this morning was 43°F.
The set ups look great!
Grow some trout!
Clark
Clark Amadon

Clark Amadon MadDog TU TIC Coordinator









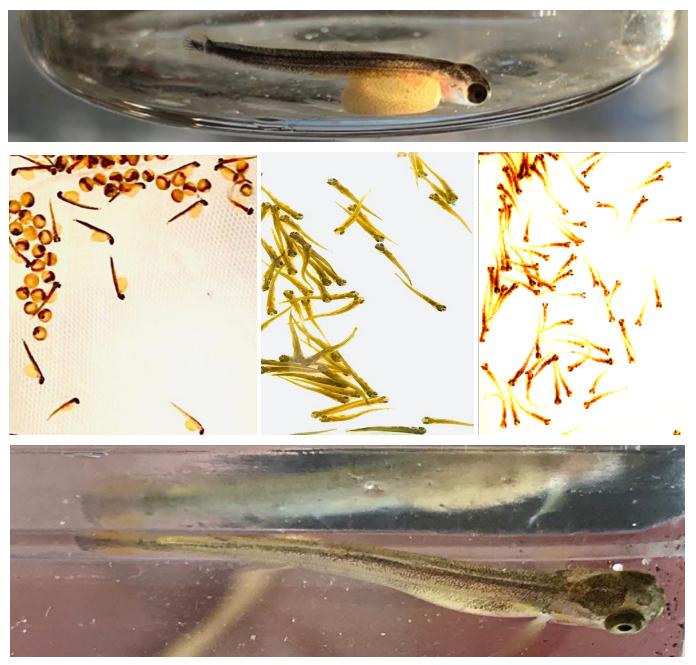




The Brook Trout



January 9, 2020

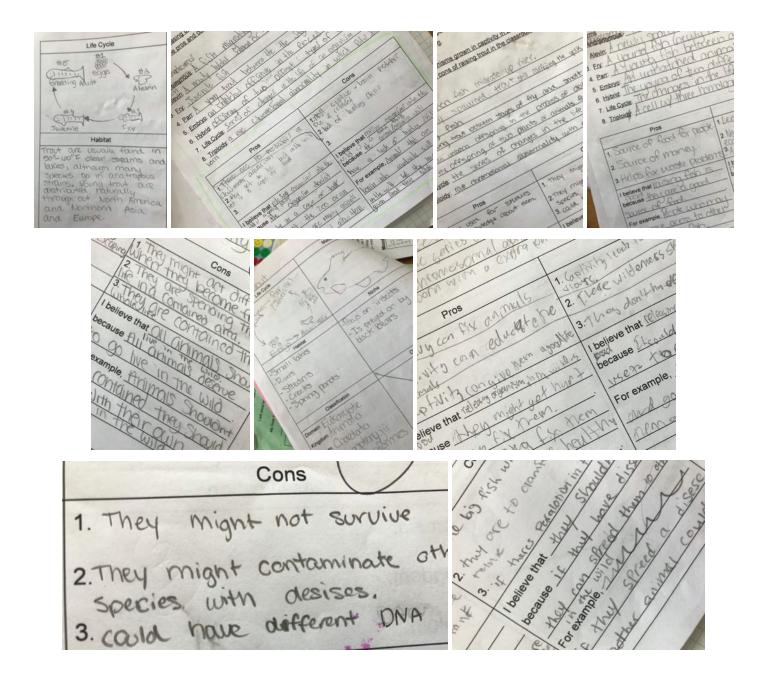


February - March 2020

Discussion Preparations - Grades 6-7-8 Science

Date: 02/06/20 - <u>Discourse Options - Debate</u>, <u>**DISCUSSION**, Speech Use resources in 678 STEAM and this organizer to prepare for Thursday's discussion.</u>

QUESTION: <u>Is releasing organisms grown in captivity in the wild a good idea? What are the pros and cons of raising trout in the classroom?</u>



Data and Observations









SCHOOL NAME: Newark										ARTED WITH:	10
SCHOOL NA	CHOOL NAME: Newark						NUMBE	THE RESERVE AND ADDRESS.	100 317	KIED WITH	10
Date	Eggs/fry lost	water temp (F)	pН	Ammonia	Nitrite	Nitrate	KH (ppm)	Water change (% of tank)	NiteOut II added (ml)	Ammonium chloride added (ml)	Observations / notes
1/8/2020	0	45	7		0	0	180	25	0	0	
1/9/2020	0	45	7		. 0	0	180	0	0	0	settling the brooder basket was a chilly task, feeling like a fussy mama, black dots in center of eggs
1/10/2020	2	45	7		0	0	180	0	0	0	removed two opaque eggs
1/11/2020	0	45	7	8	0	0	180	0	0	0	
1/12/2020	0	45	7	9	0	0	180	0	0	0	E
1/13/2020	3	45	7		0	0	180	0	0	0	removed three opaque eggs
1/14/2020	0	45	7		0	0	180	0	0	0	
1/15/2020	0	45	7		0	0	180	0	0	0	IS .
1/16/2020	0	45	7		0	0	180	0	0	0	
1/17/2020	0	45	7	2	0	20	180	0	0	0	8
1/18/2020	0	45 45	7		0	20	120	25	0	0	
1/19/2020	0	45	7		0	20	120	0	0	0	
1/20/2020	0	45	7.4		0	10	80	0	0	0	
1/21/2020	0	46	8		0	10	120	0	0	0	12 hatched!!!
1/23/2020	0	46	8.4		0	10	180	0	0	0	At least 12 more hatched :-), added 2 tsp of Discuss Buffer
1/24/2020	0	46	7.6		0	10	180	0	0	0	At least 12 more hatched :-), 1/3 are alevin and 2/3 eggs
1/25/2020	0	46	7.8		0	10	180	0	0	0	
1/26/2020	0	46	7.8		0	10	180	0	0	0	
1/27/2020	0	46	7.8		0	10	180	0	0	0	
1/28/2020	0	46	7.8		0	10	180	0	0	0	all hatched, ~2 cm long!
1/29/2020	0	46	7.8		0	10	180	0	0	0	
1/30/2020	0	46	7.4		0	10	180	17	0	0	7.5 gallons of water were siphoned out and added, observed 3 alevin in beakers, removed with turkey baster
1/31/2020	0	45	7.8		. 0	10	120	0	0	-0	
2/1/2020	0	45	7.8		0	10	120	0	0	0	lowered the water temperature to 42oF to begin slowing down their growth to time swim up with our return from Feb vacation
2/2/2020	0	45	7.8		0	10	120	0	0	0	
2/3/2020	0	45	7.6		0	10	150	0	0	0	lowered the water temperature to 42oF to begin slowing down their growth to time swim up with our return from Feb vacation
2/4/2020	0	41	7.6		0	10	160	0	0	0	lowered water temperature to 39oF
2/5/2020	0	40	7.4		0	10	180	0	0	0	
2/6/2020	0	39 40	7.4		0	10	180 180	0	0	0	
2/7/2020	0	40	7.4		0	10	180	0			
2/8/2020	0	40	7.4		0.25	10	180	0	0	0	
2/10/2020	0	40	7.4		0.25	10	180	0	0	0	
2/11/2020	0	40	7.4		0.25	10	180	0	0	0	
2/12/2020	0	40	7.4		0.25	10	180	0	0	0	0
2/13/2020	0	40	7.4		0.25	10	160	0	0	0	
2/14/2020	0	40	7.4		0.25	10	160	0	0	0	
2/15/2020	0	40	7.4		0.25	10	160	0	0	0	
2/16/2020	0	40	7.4		0.25	10	160	0	0	.0	8
2/17/2020	0	40	7.4		0.25	10	160	0	0	0	
2/18/2020	1	39	7.4	3 3	0.25	10	160	-11	0	0	11% Water Change, added 3 tsp discuss buffer, added biozyne 20 ml
2/19/2020	0	40	7.2		0.25	10	120	0	0	0	
2/20/2020	0	40	7.2		0.25	10	120	0	0	0	
2/21/2020	0	40	7.2		0.25	10	120	0	0	0	
2/22/2020	0.	40	7.2		0.25	10	120	0	0	0	
2/23/2020	.0	40	7.2	2 3	0.25	10	120	0	0	0	
2/24/2020	0	40	7.2		1	10	120	0	0	-0	
2/25/2020	0	40	7.2		1	10	120	0	0	0	
2/26/2020	0	40	7.2		1 1	10	120	0	0	0	N .
2/27/2020	0	40	7.2		1	10	120	0	0	0	J
2/28/2020	0	40	7.2		2	10	120	0	0	0	
2/29/2020	1	40	7.2		2	10	100	11	0	0	removed one partially developed alevin, added biozyme 20 ml
3/1/2020	-	40	1.2		- 4	10	100	- 11	- 0	U	spoke with aquarium staff at petstore and they suggested look for dead fish if nitrite was still high. Continue water changes.
3/2/2020	0	40	7.4		2	10	100	5	. 0	0	spoke with aquanum start at petstore and they suggested look for dead hish if nitritle was still high. Continue water changes. Added Zoml blogyme
3/3/2020		58.69	5120			723	2000			725	Found 3 recent and 1 decomposed alevin stuck in the corner of the brooder basket. Changed water, added discuss buffer to dri pH. Fed a little food. Will turn temp up tomorrow when school session resumes. Added 20ml biozyme and 2 lbs of sterilized
	4 0	40	7.2		2		100	11	- 0	-0	(boiled) gravel substrate.



03/01/20

Hmmmm...Nitrites are a little high...starting more frequent water changes and searching for sources, such as decomposing organic matter. Found one notably decomposed alevin and three other recents.

Swim Up ~ March 4th-8th, 2020 tbc...