Capstone Log
Instructional Technology Department

Candidate: **Lilly Hanna**	Mentor/Title: **Sandra Lake/Technology Coach**	School/District: **Brumby/Cobb**
Capstone Title: Using Mathletics to Support Mathematics Instruction		

You are not required to reflect after each entry. Reflections can address one or more entries in the log.
Just delete the reflection row if you do not use it.

Date	Activity/Amount of Time (Please total the time after the last entry.)	PSC/ISTE Standards
8/16/18	12:30-2:30 Online Mathletics Training (globalgotomeet.com) **(2 hours)**	1.1, 1.2, 1.3, 1.4, 2.5, 2.6, 2.7, 2.8, 3.6, 3.7, 4.1, 4.2, & 5.2
Reflection: Great online training, next time I should record the session, so I have something to look back at when I have a question.		
8/16/18	3:30-5:30 Preview meeting notes and create a teacher information sheet. **(2 hours)**	1.1, 1.2, 1.3, 1.4, 2.5, 2.6, 2.7, 2.8, 3.6, 3.7, 4.1, 4.2, & 5.2
8/17/18	1:00-2:30 Live webinar for Mathletics **(1.5 hours)**	1.1, 1.2, 1.3, 1.4, 2.5, 2.6, 2.7, 2.8, 3.6, 3.7, 4.1, 4.2, & 5.2
Reflection: Share this link with teachers.		
8/20/18	8:00-3:00 Set up student accounts, print username and password cards **(7 hours)**	1.1, 1.2, 1.3, 1.4, 2.5, 2.6, 2.7, 2.8, 3.6, 3.7, 4.1, 4.2, & 5.2
Reflection: Next year send email to Wheeler high school and ask for student needing service hours.		
8/21/2108	8:00-8:30 Mathletics teacher support (Ms. Tappan 3rd) **(30 min)**	2.1, 2.2. 2.5, 2.7, 2.8, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6,
Reflection: Ms. Tappan is doing a great job assigning students work but, assigning too many at one time. Show her how to turn on and off activity availability.		
8/21/2018	9:00-9:30 Mathletics teacher support (Ms. Corley 1st) **(30 min)**	2.1, 2.2. 2.5, 2.7, 2.8, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 4.1, 4.2, 6.1, & 6.2
8/20/2018	9:30-10:00, 11:30-12:30, 2:00-3:00 Mathletics implementation (1st, 3rd, & 5th)	2.1, 2.2. 2.5, 2.7, 2.8, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 4.1, 4.2,

	(2 hours 30 min)	6.1, & 6.2
Reflection: 1st grade keep students the whole class time, once students get logged on, they need time to work. It takes students a while to learn how to log on. Suggest to Mathletics that user names for K & 1 are difficult.		
8/21/2018	9:30-10:00, 11:30-12:30, 2:00-3:00, 7-8pm 9-10pm Mathletics implementation (1st, 3rd, & 5th) (Pull usage data) **(4 hours)**	2.1, 2.2. 2.5, 2.7, 2.8, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 4.1, 4.2, 6.1, & 6.2
8/22/2018	1:00-4:00 Mathletics Wall display **(3 hours)**	1.1, 1.2, 1.3, 1.4, 2.5, 2.6, 2.7, 2.8, 3.6, 3.7, 4.1, 4.2, & 5.2
8/23/2018	9:30-10:00, 11:30-12:30, 2:00-3:00, Mathletics implementation (K, 2nd & 4th) 7-8pm 9-10pm (Pull usage data) **(4 hours)**	2.1, 2.2. 2.5, 2.7, 2.8, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 4.1, 4.2, 6.1, & 6.2
8/28/2018	12:00-1:00 Teacher Support on how to set up math groups **(1 hour)**	1.1, 1.2, 1.3, 1.4, 2.5, 2.6, 2.7, 2.8, 3.6, 3.7, 4.1, 4.2, & 5.2
9/7/2018	8:00-10:00 Teacher Support Mr. McGee 5th grade & Ms. Howard 1st grade How to create math groups on Mathletics and access reports **(2 hours)**	2.1, 2.2. 2.5, 2.7, 2.8, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 4.1, 4.2, 6.1, & 6.2
9/10/2018	7:30-9:00 Teacher support show teachers how to assign students, groups and/or classes activities **(1.5 hours)**	1.1, 1.2, 1.3, 1.4, 2.5, 2.6, 2.7, 2.8, 3.6, 3.7, 4.1, 4.2, & 5.2
9/12/2018	12:00-1:00 Add new students to classes 2:00-4:00 Set up pre-test for all classes **(3 hours)**	1.1, 1.2, 1.3, 1.4, 2.5, 2.6, 2.7, 2.8, 3.6, 3.7, 4.1, 4.2, & 5.2
9/13/2018	2:00-4:00 Print parent letters for all classes and distribute to classes to go home before break **(2 hours)**	1.1, 1.2, 1.3, 1.4, 2.5, 2.6, 2.7, 2.8, 3.6, 3.7, 4.1, 4.2, & 5.2
Reflection: Also send out the Mathletics link on Dojo and list top ten Classes.		
10/1/2018-5/17/2019 135 days	I implemented Mathletics every day in my math class. I focused on the Number Sense standard to begin for all grade levels since this was what our SIP identified as one of the root causes of our low performance on EOG assessments. A pretest was given to all classes 2nd – 5th grade at the beginning of each new standard and a posttest was given at the end of each standard. 8:00-9:30 10:00-11:30 12:30-2:00 **(4.5 hours x 135 days= 607.5 hours)**	2.1, 2.2. 2.5, 2.7, 2.8, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 4.1, 4.2, 6.1, & 6.2
Reflection:	This really gave me an opportunity to individualize instruction. I was able to let student who had the standard	

	mastered, show what they know. I was also able to support, or peers were able to support students who almost had the standard mastered. I was also able to identify students who needed additional support and create a small group or work one-to-one with individuals. Pre and post tests were a good measure of growth. Due to infrequency in which I see students it would be best to identify pre and posttest dates in advance. This will help reduce missed tests due to half days, field trips and ect.	
10/4/, 10/18, 11/1, 11/15, 11/29, 12/13/2018, 1/10/2019, 1/24, 2/7, 2/28, 3/14, 3/28, 4/11, 4/18, 5/2, 5/16/2019	2:00-5:00 Biweekly I updated the Mathletics Wall of Fame, I updated the top ten class and student list, sent top ten names to Brumby News, and updated rosters adding new students and removing old students. **(3 hours x 17 days=51 hours)**	
Reflection: This took a lot of time, this year I need to talk to Mathletics and see if there is a more efficient way to check for class and school leaders. Although time consuming it is worth it, student and class participation increased once leaders began being announced. The second-grade teams really ran with the program and began having grade level competitions. Three students in second grade finished all 2nd grade math standards and started on 3rd grade standards. One second grader also finished all third-grade standards and began working of 4th grade standards.		

7/26/2018 12/19/2018 5/23/2019	10-12 Meet with Title I to discuss the use of Mathletics. Meet with Title I to show first round of pre and posttest data. Meet with Title I to show 2nd round of pre and posttest data and discuss if we will use the program again next year or not. **(2 hours x 3= 6 hours)**		
Reflection: Data looks good all classes making significant gains from pre to posttest. Data looked good the second round as well, next year need to do a better job getting all classes to do a pre and post assessments possible look at working with teachers and doing them in the classroom.			
5/17/2019	Students come and get their star or ribbon off the Mathletics Wall of Fame and take home.		
Reflection: The program is finished students will not be able to use it over the summer, IXL was always 12 months next year ask for Mathletics 12-month contract so students can work over the summer and so they do not loose the work they did the previous year.			
	Total Hours: [**685 hours**]:		

DIVERSITY (Place an X in the box representing the race/ethnicity and subgroups involved in this capstone.)								
Ethnicity	**P-12 Faculty/Staff**				**P-12 Students**			
	P-2	3-5	6-8	9-12	P-2	3-5	6-8	9-12
Race/Ethnicity:								
Asian					X	X		
Black	X	X			X	X		
Hispanic	X	X			X	X		
Native American/Alaskan Native								
White	X	X			X	X		
Multiracial	X	X			X	X		
Subgroups:								
Students with Disabilities					X	X		
Limited English Proficiency					X	X		
Eligible for Free/Reduced Meals					X	X		