

SHAYLA K. HEAVNER

GAMING AND MEDIA DESIGN

PLAY DIARY

SPRING 2018





	SHAYLA K. HEAV	NER PLAY	DIARY				
	THE FACTS						
TITLE	Algebra Melto	down	MY RATING (OUT OF 5)	★★★★★			
PLATFORM	Online/Computer	PUBLISHER	Blue Duck	Education Ltd			
GENRE	Educational /Math ,	/Algebra		DATE 2018			
ACCESSED AT:	https://www·mar	ngahigh·com/g	ames/algebran	neltdown			
		DETAILS					
IM	AGE:		SUMMAR	Y			
atoms for a special mission, by combining numbers to create the value each scientist needs. It is a fast- paced race to solve algebra equations in order to complete the mission!							
	EDUCATIONAL VAL	UE Fact Fluend	y / Using Negative	s / Input/Output			
	MY TH	IOUGHTS					
P	ROS		CONS				
 Great images (g 	· · · · ·						
•	practice mental math		 Only had option to begin on "Easy" 				
* Highly Varied to) keep gamers engaged BEE	LECTION	esn't clearly conn	nect algebra skills			
This was an interestin cheap or free game a game has some flaws trouble keeping up at students would feel l algebraic equation was more like a facts flue operations were diffic is great! However, it	t all. However, after It is very fast paced times. I think this ike it is much too ha provided, the game ncy game rather tha ult, I found myself s	playing for a d, even with a could be a ma ard for beginne didn't make n an algebra g colving the equ	while it was cle bachelor's in m jor pit fall as m ers: In addition, any use of it: T ame: Many time ation in order t	ear that the mathematics I had many younger while the Thus, it became es, because the to keep up. This			

TITLE	Sir Readalot	;	MY RATING (OUT OF 5)		
PLATFORM	Online/Computer/Tablet	PUBLISHER	· · ·	Recess	
GENRE	Educational / Reading /			DATE	N/A
ACCESSED AT:	http://www.roomrec				
ACCI35110 A1.			ner Sir Neudur	oor plug	nonn
	IMAGE:		SUMMAR	V	
The leaves o	t season is if? n the trees are red, and pellow. EDUCATIONAL VALUE MY TH()	him in his j reading que jump and a the correct mission the help protec monsters a journey. Reading / Co	trol Sir Read ourney by a stions· Playe ttack to find response· A y locate key t themselves ttempting to omprehension	nswering er can w d and cl llong the s, and g s from o thwar	valk hoose eir near to t his
	PROS		CONS		
	pics such as "Fact or Context Clues" &	Only eLimite	Gameplay ngaging for sho d Vocabulary	ort period	1
ir Readalot was	an easy game to find and j		be areat for	1 st and	2 nd
raders learning t an become bored	o master reading topics· Ho quickly· In addition, many "Draw Conclusion" section,	owever, the g words were r	ameplay is slo epeated imply	w, and c jing a lac	hildren k of ric

find the correct word to answer while exploring the world, jumping and avoiding monsters. This is a great activity for beginning readers to practice their skills while also thinking critically to determine the goal of the passage. Overall, this game would be great for a lesson add-on after tackling similar content in class.

TITLE	Papa's Pizz	eria	MY RATING (OUT OF 5)	****	
PLATFORM	Online/Computer	PUBLISHE	Fliplin	ne Studios	
GENRE	Educational / Mathem	natics / Fraction	75	DATE 2007	
ACCESSED AT:	http://www.hooda	math·com/gam	es/papaspizz	eria·html	
	THE	DETAILS			
	IMAGE:		SUMMAR	Y	
euscoments		proportion, bake and slice the pizz			
	EDUCATIONAL VALU	E Fractions /	Proportions /	Multi-tasking	
	MY TH	IOUGHTS			
	PROS		CONS		
managemen	ı it focus on time t, dividing into fractions & in gameplay	 Under Cuttil connec concel 	 Understanding gameplay takes time 		
	-	LECTION			
game• However, u slices and divide e	quite fun to play! I can while students must conn evenly, there is little con nts to draw equal parts,	ect the number nection to fract	of toppings a cional notation	to the number o •• Cutting the	

and simplifying fractions are not included. Should the player also have to write the fraction, the game would be greatly improved. The game is a bit complicated to learn, which may discourage first time users. However, the ability to time manage and multitask is a great skill that connects to business skills as well. There are also many niches of gameplay to keep it interesting, like customer profiles and badges.

	THE	FACTS			
TITLE	B! Side		MY RATING (OUT OF 5)	***	⋩☆★
PLATFORM	Online/Computer	PUBLISHER	Coolma	th·com	LLC
GENRE	Educational / Math /	Logic		DATE	2018
ACCESSED AT:	http://www·coolmath	-games·com/O-	b-side		
	THE D	ETAILS			
	IMAGE:		SUMMARY	Y	
	5 106 106 5 106 106 5 10 106 5 10 10 5 10 10 5 10 10 1 1 1 1 4	red and pur or columns red blocks a purple block avoid filling	ris-like game ple blocks to that equal z adds to the s subtract the screen o y rows and o	o create zero· Dro total wh The goal while zer	rows opping nile I is to roing
	EDUCATIONAL VALUE	Addition / Subtraction / Fluency / Logic			
	MY TH	DUGHTS			
	PROS		CONS		
* Easy		 Slow game play limits age and skill level Not a long-term game, playe can get bored quickly 			-
		ECTION			
know and popula to drop the num for beginner mad mentally. Howev drops the numbe	idea of this game is su r games, Tetris and Suc nbers in order for a row thematicians as it promo er, the slow game play er automatically in a cer it more challenging and	doku· Players or column t otes figuring d (there is no tain number	must decide o sum to ze out strings o timer or fun of seconds)	the best ro· It is of sums action th	t place great pat

	THE FA	ACTS			
TITLE	Math Buzz		MY RATING (OUT OF 5)	****	
PLATFORM	Online/Computer	PUBLISHER	Teac	chMe, Inc	
GENRE	Educational / Math / I	Environment	1	DATE 2018	
ACCESSED AT:	https://www.mathgame	es·com/play/m	athbuzz·htm	<u>nl</u>	
	THE DE	TAILS			
	IMAGE:		SUMMAR	Y	
	76/236" 🗲	Use Math t	o protect d	the queen bee,	
	0/12 # 0/2 🕉	collect polle	n and rescu	e trapped	
market		bees. Five u	vorlds offer	game play	
	AD THE REAL PROPERTY OF	variation, ar	nd multiple	levels of math	
	solve for t $\frac{4}{9} = \frac{24}{1}$	ensure fun	for everyon	e•	
	EDUCATIONAL VALUE	Mathematics Practice at all levels			
	MY THO	UGHTS			
	PROS		CONS		
 Able 	to choose grade level	*	Very Little	Game Play	
* Cros	s-Curricular connects to bee	 Not Interactive 			
habit	tats, function, pollination	*	Similar to Quiz-Type game		
etc·		*	Not fully rea	alized	
* Grea	t Graphics				
	REFLEC				
	of this game I was so in	•			
	• Grades K through 8 are				
grade• I also like	the cross-curricular conce	pt, especially	in a time	when bee	
population is so	important· That being sa	id it was a bi	it disappoin	ting· The	
action of protect	ting the queen and pollen	ating is simul	taneous to	answering	
•	ust appears as background yers just answer question				
- Juie whole plu					

control your swarm. This is a great idea, just not fully recognized.

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	THE	FACTS		
TITLE	Alien Angles	5	MY RATING (OUT OF 5)	★★★★★
PLATFORM	Online/Computer	PUBLISHER	Math Pla	ayground LLC
GENRE	Education / Mathema	tics / Geome	try	DATE 2018
ACCESSED AT:	<u>https://www·mathplay</u>	iground·com/al ETAILS	ienangles·htm	<u>!</u>
	IMAGE:		SUMMARY	Y
Angle 156°	2 0 100 1/0 1/0 2/0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Friendly aliens are lost, and players must help rescue them. To this, players must estimate angles within 5° to launch the rescue ship to the correct place.		
	EDUCATIONAL VALUE	Angle Measur	re / Estimati	on / Geometry
	MY TH(DUGHTS		
	PROS		CONS	
* Surj	prisingly Challenging	*	Difficult Angle	25
-	, fun to play	Slow game play		
* High	Educational Value		Limited inter	action
to get the corre is slow, and the things perfect. my experience, s other tools to f	this game. It reminds m ect angle and force to hi graphics are minimal, bu l like the idea of underst students need to know t find intermediate angles. n other than getting stu	it the ball nea at it will enti canding how t the basic angle Thus, I am u	ar the hole ce players w co estimate cs and use a insure how t	The game play ho like to get angles, but in protractor or his would fit

	THE	FACTS		
TITLE	Bar Graphing wit	h Roly	MY RATING (OUT OF 5)	★★★★★
PLATFORM	Online/Computer	PUBLISHER	Educat	ion·com Inc
GENRE	Mathematics / Graphi	ng / Bar Gra	iphs	DATE 2018
ACCESSED AT:	https://www·education	n∙com/game/gi	raphing-germs	
	THE D	ETAILS		
	IMAGE:		SUMMARY	Y
4 3 2 1	EDUCATIONAL VALUE			
	MY THO			56110001011
	PROS		CONS	
CC. * Int * Cra	ear curriculum connection S·4·MD·B·4 eeractive game play oss-Curricular opportunity th health·	*	needed to col Inconsistent s	llect germs storyline s may not appeal
	REFLE			
curriculum conne other resources s great in that pla germs. Then the what was collect	this game is the site Educat ctions, the ability to assign such as worksheets to reinfo nyers first play a normal arc mathematics content is rei ed• There is also the opport discuss how germs spread ai	the game to prce the game ade style gam inforced throu cunity to mak	students dire content· The e attempting gh classifying e cross-curricu	ctly, and links to game play is to catch the and graphing ular connections

others don't get sick. The game would make for an easy lesson spark added to traditional instruction and even assign students one of the worksheets to take home and solidify the concept even more.

	T	HE B	FACTS			
TITLE 🥂	lath Eggs: Facto	oring	Numbers	MY RATING (OUT OF 5)	***	┟★★
PLATFORM	Online/Computer		PUBLISHER	Primar	yGames,	, Inc
GENRE	Education / Mat	;h / F	actoring	1	DATE	2000
ACCESSED AT:	http://www.prin	naryga	mes·com/matl	/matheggsfac	:tors/	
			ETAILS			
	IMAGE:			SUMMARY	Y	
STAGE 1 Score : 662			Chickens throw eggs with number values. Players must catch only the eggs that represent factors of a given value. Begin with 3 lives, lose a life each time a correct factor is not caught.			the given life
	EDUCATIONAL VA	ALUE	Factoring / I	Number Theoi	ry	
	MY	TH()	UGHTS			
	PROS			CONS		
* Mult	iple levels of game pla	ly .	Website is riddled with			
-	t colors		confusing advertising that			
* Good	Educational connectio		CTION	redirects to a	lifferent w	rebsites
I like how this a	nme offers differen	-		players to h	enin clau	du to
and keep them in higher levels of u accidental errors activity although needed The web	the game and the nterested. It requi inderstanding. Som This would be a each student wou site is filled with 2 factors appear s	ires qu ne mou great uld nee ads mo	iick thinking use control is game to inco ed their own aking it easy	allowing stud needed whic rporate as a device or ro to accidenta	lents to ch may c n end-of tation w ally click o	achieve ause -class could be away:
	rmal game play set					

	THE FA	CTS		
TITLE	Puppy Chase		MY RATING (OUT OF 5)	★★★★★
PLATFORM	Online/Computer	PUBLISHER	Ar	cademics
GENRE	Educational / Mathemat	tics / Fractic	ons	DATE 2018
ACCESSED AT:	http://www.abcya.com/	fractions_to_d	ecimals·htm	- L
	THE DET	AILS		
	IMAGE:		SUMMAR	.Y
		Practice decimal conversions as puppy's race to the finish line. The quicker players respond, the faster their puppy runs! Play against others, or as a single player. Data is collected for educational use.		
	EDUCATIONAL VALUE	Conversion /	fractions /	′ decimals
	MY THOU	GHTS		
	PROS		CONS	
classr * Data	iplayer ability great for cooms collection helpful to educators fast-paced game REFLECT	* ION	answer quic	win you must kly so it is hard watch the race
classroom or even playing was I cou to only answering think children wil math fluency whi	ts of fun· The ability to p join games in progress is Idn't watch my progress a the questions correctly a I have a lot of fun playing ie doing so· Questions wer ed at end of game is a gre	a great aspe nd win, and nd quickly to , especially a e well spaced	ct· My ma you must p succeed· p gainst othe with varic	in issue while pay attention However, I do ers, and build

TITLE	High-Stakes I	Heist	MY RATING (OUT OF 5)	★★★★		
PLATFORM	Online/Computer	PUBLISHER	ABCya	com, L·L·C		
GENRE	Educational / Mathem	natics / Order of	^c Operations	DATE 2018		
ACCESSED AT:	http://www.abcya.co	om/order_of_ope	rations·htm			
		DETAILS				
	IMAGE:		SUMMAR	Y		
	$+ 4 \times (3 - 1) =$ $+ 3 + 4 \times 2 =$ $+ 4 \times 2 =$ 4 + 8 =	Players mu solving Ord Time is lim quick and a	st crack ope er of Operat ited, so play	tion questions yers must be win!		
	EDUCATIONAL VALU		/ Order of (Operations		
	MY TH	IOUGHTS				
	PROS		CONS			
	ractive storyline		 Slow game play 			
	llenging questions		 No incentive for repeated play 			
🍀 Easy	ı to play	*	Simple prem	ISE		

educational topic. The storyline is greatly developed; however, the game play is a bit simple. It would be a good game for free time in a computer or math course and provides good order of operation practice. As the game was not exciting, I doubt there is high likelihood of repeated play and continuing interest from students. But as a short add-on or lesson spark, it would provide a fun respite from traditional instruction.

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		THE	FACTS		
TITLE	Re	ady, Jet, Go! Mis	sion Earth	MY RATING (OUT OF 5)	★★★★★
PLATFORM		Online/Computer	PUBLISHER	e Pl	85 Kids
GENRE		Educational / Science /	′ Earth Science	!	DATE 2007
ACCESSED AT	ľ:	http://pbskids.org/re	adyjetgo/games	/mission/inde	x·html
			ETAILS		
	I	MAGE:		SUMMAR	Y
			In this gam	e, players ex	xplore Earth·
14/45		Tree Coo	They must	observe diff	erent earth
		6 min Car	elements a	nd capture p	ictures· When
		an element is found, players are told			
No. 1			information about it. They then send		
STOTIST.			their pictures into space to teach		
and the second s			aliens about the Earth		
			Extensive · F	lants, landfor	ms. material.
		EDUCATIONAL VALUE	liquid v· gas, living v· non-living etc·		
		му тн	OUGHTS		
]	PROS		CONS	
Rich educ	catio	nal content	* At Le	vel 3 game-pla	y gets more
🔅 Fun to p	lay v	vith increasing difficulty	difficu	lt which can be	e harder for
to engage	e leai	rners	young	er users to gra	sp.
		REFL	ECTION		
		ame· The content is extre much more· Cross-curricu			· ·
		lassification, states of ma		-	-
•		e a video game, players m			
their needed abil	ities,	and avoid falling while ob	servina the feat	ures of our hon	ne planet· Adding

concepts. It plays like a video game, players must jump, fly, switch between characters to use their needed abilities, and avoid falling while observing the features of our home planet. Adding the already developed storyline from the series "Ready. Jet. Go!" learners can connect to the characters and the idea of teaching aliens about our planet. Review questions are asked throughout, to ensure memory of the information provided. Information on choosing the right scientific tools is also incorporated. Overall, this is a superb game for anywhere from pre K to 2^{nd} grade, although some help maybe need for younger students.

	THE	FACTS				
TITLE	Math Baseb	all	MY RATING (OUT OF 5)	★★★★★		
PLATFORM	Online/Computer	PUBLISHER	Funbrain	Holdings, LLC		
GENRE	Education / Math /	Operations		DATE 2017		
ACCESSED AT:	https://www·funbrain	n∙com/games/m	ath-baseball	<u> </u>		
	THE D	ETAILS				
	IMAGE:		SUMMARY	Y		
	The Pitch Is:	Play math	baseball! Solv	ve math		
	+	-	prrectly to h			
	6			m determines		
Swing!				ole, triple or		
	Levet Easy II god Into a single, double, on pie of home run. Incorrect answers cause					
		strikes				
	EDUCATIONAL VALUE	Math Fluenc	y / Operation	15		
	MY TH	OUGHTS				
	PROS		CONS			
Abilit	ty to choose a range of	*	Underwhelmin	g graphics		
skills	and difficulty	*	Plays more lik	ke quiz game		
* Good	Concept	*	Web design does not allow			
	DDDD	ECTION	entire screen	to be viewed		
This same has be		ECTION				
-	ne potential to be ama	-		-		
	game window doesn't	-		•		
	e graphics as you must	-	•	-		
Because of this,	the game plays more l	ike a math qu	iz where play	ers simply		
answer questions	\cdot The game would be g	reatly improve	ed with bett	er graphics and		
design• Also, mul	tiplayer access so stud	ents could play	y in teams t	o try to beat		
each ather *Sac	Attached Game Idea					

	THE F	ACTS				
TITLE Math Basebal		//	MY RATING (OUT OF 5)			
PLATFORM	In Person	CREATOR	Shayla Heavner			
GENRE	Educational / Mathemati	ics / Game	·	DATE	2018	
	THE DE	TAILS				
	SUMM	ARY				
Gamify math	practice in the classroon	n! Using a b	oard or tran	sformin	g the	
room into a l	baseball diamond, have pla	yers separa	te into team	is to pla	- ay ball	
	against ea					
	EDUCATIONAL VALUE	Fact fluency / Operation Practice				
	MY THO	UGHTS				
	PROS	CONS				
 Easy to do Full Class period to 				riod to pl	l to play	
* Ada	ls fun element to class	*	Only 1 player answers at a			
* Alla	ows for easy practice of math		time so must keep all student			
fact	55		attentive			
	HOW TO	PLAY				
lepending on difficult question is 4 x 12, a into smaller numbers complete "8x6" to g	of flash cards, or self-created one ty. In addition, identify follow up a sample follow up question could u to solve?" the answer being "4x4 get the answer as it is within the estions such as -1 or "catch" depen	questions for ab be, "what is ond 4x3" or "4x2x6 normal multipli	out ½ of cards: way to deconst ", students may cation table: Also	For instan ruct this p find it ea assign po	nce, if the problem nsier to nint values	

complete "8x6" to get the answer as it is within the normal multiplication table. Also assign point values to the follow up questions such as -1 or "catch" depending on difficulty. Game is played as follows. The class is divided into 2 teams and chooses batting order. The questions are shuffled and instructor "pitches" the question to the person at bat. If they answer correctly they can "run" to the base depending on the point value assigned to the question. So, if it was a "1" they run to first base, while a "4" would be a home run. If the question has a follow up, instructor presents it to the opposing team. If they answer correctly, it signifies the other team has either "caught" the ball, causing an out, or they prevent the player from advancing as far. For instance, if the point value on the original question was "3" and the follow up was "-1" they batter would only advance to 2^{nd} base. Play continues until the batting team has 3 outs, or they achieve 3 runs. Then game play is switched to allow the second team to bat. Instructors can choose the number of rounds or innings to play based on time constraints. Rather than 3 strikes, if the team at bat misses a question, this is automatically considered an out.

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