Office of Larry E. Reider Kern County Superintendent of Schools *Advocates for Children*

Third Grade—Macmillan/McGraw-Hill

The GEMS guides listed below are suggested supplements to the Macmillan/McGraw-Hill curriculum. Teachers are encouraged to select the lessons from each guide they find most beneficial to their students' needs. Most guides have kits with hands-on materials available for check-out, at no charge, from KCSOS. Contact Kathy Hill at <u>kahill@kern.org</u> or 661.636.4640.

GEMS uses the strategies of hands-on examination and discovery throughout its program. Therefore, we have not listed the California State Standards correlation of Investigation and Exploration, Standard 5, as one or more strands will be found as a basic component of every GEMS guide.

Chapter/Lesson	ТЕ	3 rd grade	GEMS Guide				
	pages	standard	Bold type represents a GEMS unit which addresses all standards in that standard set for the respective strand.				
3 rd GradeLIFE SCIENCE							
Chapter 1: Adaptatio	ns in Land E	Invironments					
L#1: Living Things	24-33	3 LS 3.a,	Aquatic Habitats				
and Their Needs		3.b	<i>Buzzing a Hive</i> (3.a)				
L#2: Life in the	36-43		<i>Terrarium Habitats</i> (3.a)				
Desert			School Yard Ecology (3.b)				
L#3: Life in the	46-53						
Grassland							
L#4: Life in the	56-65						
Forest L#5: Life in the	(0, 77)						
Artic Tundra	68-77						
	ns in Watar	Fnyironmonts					
Chapter 2: Adaptations in Water EnvironmentsL#1: The Water88-953 LS 3.a,Aquatic Habitats							
Planet	00-75	3.b	Buzzing a Hive (3.a)				
L#2: Life in an	98-107	5.0	<i>Terrarium Habitats</i> (3.a)				
Ocean	50107		School Yard Ecology (3.b)				
L#3: Life in the	110-117						
Wetlands							
Chapter 3: Environments Change							
L#1: Living Things	130-137	3 LS 3.c	Aquatic Habitats				
Change Their			Buzzing A Hive				
Environment			Terrarium Habitats				
L#2: Changes Affect	140-149	3 LS 3.d	Aquatic Habitats				
Living Things			Buzzing a Hive				

			On Sandy Shores					
			School Yard Ecology					
			Terrarium Habitats					
L#3: Living Things	152-161	3 LS 3.e	No GEMS guides were found to align with standard					
of the Past	102 101	5 15 5.0						
3 rd GradeEARTH SCIENCE								
J GraueEAKTH SUIENCE								
L#1: Day and Night	178-185	3 ES 4.e	No GEMS guides were found to align with standard 4.e					
L#2: The Seasons	188-195	5 15 1.0	Earth, Moon, and Stars is a 5-9 guide, and some					
	100 175		activities may be adapted to 3 rd grade enrichment level					
L#3: The Moon	109 205	2 55 4 1	to meet this standard. No GEMS guides were found to align with standard					
L#3: The Woon	198-205	3 ES 4.b,	4.b, 4.d					
		4.d	Earth, Moon, and Stars is a 5-9 guide, and some					
			activities may be adapted to 3 rd grade enrichment level					
			to meet this standard.					
Chapter 5: Our Solar		0.004.1	No CEMC and do as the first of the literation					
L#1: The Sun and Its	218-225	3 ES 4.d	No GEMS guides were found to align with standard 4.d					
Planets			Earth, Moon, and Stars is a 5-9 guide, and some					
			activities may be adapted to 3 rd grade enrichment level					
			to meet this standard.					
L#2: Telescopes:	228-233	3 ES 4.c	No GEMS guides were found to align with standard 4.c <i>Earth, Moon, and Stars</i> is a 5-9 guide, and some					
Discovering the Solar			activities may be adapted to 3 rd grade enrichment level					
System			to meet this standard.					
L#3: The Stars	236-243	3 ES 4.a	No GEMS guides were found to align with standard 4.a					
			<i>Earth, Moon, and Stars</i> is a 5-9 guide, and some					
			activities may be adapted to 3 rd grade enrichment level to meet this standard.					
The GEMS guide Mess	sages from Sn	ace is designed	l for grades 5-8. However, third grade teachers					
-		-	is a scale model of the solar system, additional					
activities, and good bac		•						
			- Providence					
	3 rd Gra	dePHVSI	CAL SCIENCE					
	U Gra							
Chapter 6: Matter								
L#1: Solids, Liquids,	260-269	3 PS 1.e,	Involving Dissolving (1.e)					
and Gases		1.f	<i>Liquid Explorations</i> (1.e)					
			Matter: Solids, Liquids, & Gases					
			Secret Formulas (1.e)					
			<i>Oobleck</i> is a 4-8 guide, and some activities may be adapted to 3^{rd} grade enrichment level to meet this					
			standard.					
L#2: Building	272-279	3 PS 1.h,	Involving Dissolving (1.h)					
Blocks of Matter		1.i	Liquid Explorations (1.h)					
			No GEMS guides were found to align with standard 1.i					

L#3: Changing	284-291	3 PS 1.g	Involving Dissolving
Matter	2012/1	5151.5	Liquid Explorations
			Matter: Solids, Liquids, & Gases
			Secret Formulas
			<i>Oobleck</i> is a 4-8 guide, and some activities may be
			adapted to 3 rd grade enrichment level to meet this
			standard. Of Cabbages and Chemistry is a 4-8 guide, and some
			activities may be adapted to 3 rd grade enrichment level
			to meet this standard.
Chapter 7: Energy			-
L#1: Energy all	302-311	3 PS 1.a	School Yard Ecology
Around			Terrarium Habitats
L#2: Using Energy	314-321	3 PS 1.b,	On Sandy Shores (1.b)
		1.c	No GEMS guides were found to align with standard 1.c
L#3: Energy on the	326-335	3 PS 1.d	No GEMS guides were found to align with standard
Move			
Chapter 8: Light	1	1	
L#1: How Light	346-353	3 PS 2.b	Bubble Festival (Activity 5, Bubble Colors)
Moves			
L#2: Seeing Light	356-363	3 PS 2.c,	No GEMS guides were found to align with standards
and Color		2.d	Color Analyzers is a 5-9 guide, and some activities
			may be adapted to 3 rd grade enrichment level to meet this standard.
L#3: Shadows	368-375	3 PS 2.a	Terrarium Habitats
$L\pi J$. Shadows	500-575	J 1 5 2.a	

3rd Grade--INVESTIGATION AND EXPERIMENTATION

While the guides listed below do not address specific 3rd grade standards in Life, Earth, or Physical Science, they do meet standards within the Investigation and Experimentation standard set.

Electric Circuits Mystery Festival