# **EXPERIMENTING WITH MOVEMENT**

### **INSTRUCTIONAL UNIT AUTHORS**

North Routt and Hayden School Districts

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# BASED ON A CURRICULUM OVERVIEW SAMPLE AUTHORED BY

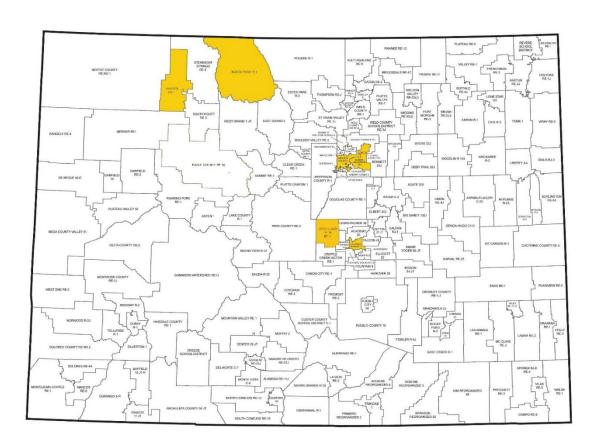
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This unit was authored by a team of Colorado educators. The template provided one example of unit design that enabled teacherauthors to organize possible learning experiences, resources, differentiation, and assessments. The unit is intended to support teachers, schools, and districts as they make their own local decisions around the best instructional plans and practices for all students.

Content Area	Physical Education	Grade Level	1st Grade	
Course Name/Course Code				
Standard	Grade Level Expectations (GLE)			GLE Code
1. Movement Competence	1. Demonstrate basic locomotor and non-locomotor skills, and rhythmic and cross-lateral movements			PE09-GR.1-S.1-GLE.1
and Understanding	2. Demonstrate fundamental manipulative skills	PE09-GR.1-S.1-GLE.2		
	3. Establish a beginning movement vocabulary		PE09-GR.1-S.1-GLE.3	
Physical and Personal     Wellness	1. Identify the body's normal reactions to moderate and vigorous physical activity		PE09-GR.1-S.2-GLE.1	
3. Emotional and Social	Work independently and with others to complete work		PE09-GR.1-S.3-GLE.1	
Wellness	2. Follow the rules of an activity			PE09-GR.1-S.3-GLE.2
4. Prevention and Risk Management	Develop movement control for safe participation in games and sports		PE09-GR.1-S.4-GLE.1	

# Colorado 21st Century Skills Critical Thinking and Reasoning: Thinking Deeply, Thinking Differently Information Literacy: Untangling the Web Collaboration: Working Together, Learning Together Self-Direction: Own Your Learning Invention: Creating Solutions



Unit Titles	Length of Unit/Contact Hours	Unit Number/Sequence
Experimenting with Movement	Teacher's Discretion	Teacher's Discretion

Unit Title	Experimenting with Movement		Length of Unit	Teacher's Discretion
Focusing Lens(es)	Movement and Travel	Standards and Grade Level Expectations Addressed in this Unit	PE09-GR.1-S.1-GLE.1 PE09-GR.1-S.1-GLE.3	
Inquiry Questions (Engaging- Debatable):	<ul> <li>If you were to invent a new locomotor movement, what would it look like, and what would you call it? (PE09-GR.1-S.1-GLE.1-EO.a,b,c,f,g; IQ. 1,3; RA. 1; N. 1,2,3)</li> <li>What makes a jog different from a run? (PE09-GR.1-S.1-GLE.3-EO.1; IQ. 2,3; RA. 2,; N. 1,2)</li> <li>What are some similarities in different types of locomotor movements? (PE09-GR.1-S.1-GLE.3-EO.a; IQ. 2; RA. 2; N. 1,2)</li> <li>Why would someone want to know how to do the same things in different ways? (PE09-GR.1-S.1-GLE.1-EO.a,b,c,f,g; IQ. 3,4; RA. 1; N. 1,2)</li> </ul>			E.3-EO.a; IQ. 2; RA. 2; N. 1,2)
Unit Strands	Movement Competence and Understanding			
Concepts	Self-Direction, Practice Competency, Experimentation, Benefits of Movement, Communication, Space, Recognition, Levels, Speeds, Compare/Contrast, Awareness, Movement, Symmetry, Balance, Effort; Force, Directionality, Levels, Pathways, Traveling, Variation, Locomotion, Patterning, Reasoning			

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Generalizations My students will Understand that	Guiding Questions Factual Conceptual			
my students will Officer Staffa that		•		
Movement by traveling in various pathways, using directionality, speed, and levels provides measurable benefits to humans. (PE09-GR.1-S.1-GLE.1-EO.a,b,c,f,g; IQ. 1,3; RA. 1; N. 1,3)	What are the different pathways that one uses while moving?	Do different levels imply a specific speed?		
Awareness of body and space help demonstrate balance in movement. (PE09-GR.1-S.1-GLE.1-EO.b,c,f,g; RA. 1,2,3; N.1)	What sports and activities require you to demonstrate balance?	How can you demonstrate balance in different ways?		
Experimentation with various locomotor patterns, varied levels of effort and force, increase balance, coordination and movement capacities. (PE09-GR.1-S.1-GLE.1-EO.a,b,c; IQ. 1,3; RA. 1; N. 1,3)	Is greater effort or force required to change from a walk to a jog/run?	Does a person have to use greater effort to have greater force?		

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Critical Content: My students will Know	Key Skills: My students will be able to (Do)
<ul> <li>Personal space, general space and boundaries (PE09-GR.1-S.1-GLE.3-EO.d)</li> <li>Different directions and at high, medium and low levels in space (PE09-GR.1-S.1-GLE.1-EO.a)</li> <li>Locomotor movements in a variety of pathways and levels, both static and dynamic balances (PE09-GR.1-S.1-GLE.1-EO.b,g)</li> <li>Forward and sideways directions using a variety of locomotor and non-locomotor patterns and change direction quickly in response to a signal (PE09-GR.1-S.1-GLE.1-EO.c)</li> <li>Balance at different levels on different body parts (PE09-GR.1-S.1-GLE.1-EO.f)</li> <li>Jog and a run, hop and jump, gallop and slide (PE09-GR.1-S.1-GLE.3-EO.a)</li> <li>Personal space, high and low levels, fast and slow speeds, light and heavy weights, balance and twist (PE09-GR.1-S.1-GLE.3-EO.c)</li> </ul>	<ul> <li>Discuss personal space, general space and boundaries (PE09-GR.1-S.1-GLE.3-EO.d)</li> <li>Move in different directions and at high, medium and low levels in space (PE09-GR.1-S.1-GLE.1-EO.a)</li> <li>Demonstrate locomotor movements in a variety of pathways and levels, both static and dynamic balances (PE09-GR.1-S.1-GLE.1-EO.b,g)</li> <li>Travel in forward and sideways directions using a variety of locomotor and non-locomotor patterns and change direction quickly in response to a signal (PE09-GR.1-S.1-GLE.1- EO.c)</li> <li>Perform balance at different levels on different body parts (PE09-GR.1-S.1-GLE.1-EO.f)</li> <li>Distinguish between a jog and a run, hop and jump, gallop and slide (PE09-GR.1-S.1-GLE.3-EO.a)</li> <li>Differentiate among personal space, high and low levels, fast and slow speeds, light and heavy weights, balance and twist (PE09-GR.1-S.1-GLE.3-EO.c)</li> </ul>

Critical Language: includes the Academic and Technical vocabulary, semantics, and discourse which are particular to and necessary for accessing a given discipline.  EXAMPLE: A student in Language Arts can demonstrate the ability to apply and comprehend critical language through the following statement: "Mark Twain exposes the hypocrisy of slavery through the use of satire."				
A student in can demonstrate the ability to apply and comprehend critical language through the following statement(s):  I can move in different ways and at different levels to show my ability to participate in a lot of activities				
Academic Vocabulary:	Recognize, space, high, medium, low, boundaries, forward, backward, personal space, general space boundaries, static and dynamic balances			
Technical Vocabulary:	Jog, run, hop, jump, gallop, slide, balance, static, dynamic, speeds, twist			

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Unit Description:	This unit is designed to allow students to develop and explore skills to move safely in a variety of environments. Learning experiences focus on concepts safety, exploring locomotor and non-locomotor skills, as well as movement patterns using various pathways, directions and speeds.  The performance assessment provides students with the opportunity to create and perform a routine that demonstrate locomotor, non-locomotor movements, in a variety of pathways, directions, levels, and speed.			
Considerations:	Most first grade students will have a general understanding of personal space, general space, locomotor skills, responsible use of equipment, and expectations for partner cooperation. However first graders will vary in developmental readiness, therefore this unit is designed to allow students to develop and/or experience manipulation of objects.  In addition you may need to consider:  Time spent with students (i.e. length of class, number of days a week)  Technology  Space  class size  physical challenges  cultural diversity			
Unit Generalizations				
Key Generalization:	Movement by traveling in various pathways, using directionality, speed, and levels provides measurable benefits to humans.			
Supporting	Awareness of body and space help demonstrate balance in movement.			
Generalizations:	Experimentation with various locomotor patterns, varied levels of effort and force, increase balance, coordination and movement capacities.			

Performance Assessment: The capstone/summative assessment for this unit.				
Claims: (Key generalization(s) to be mastered and demonstrated through the capstone assessment.)	Movement by traveling in various pathways, using directionality, speed, and levels provides measurable benefits to humans.			
Stimulus Material: (Engaging scenario that includes role, audience, goal/outcome and explicitly connects the key generalization)	You and your small group (i.e. no more than 4) have been asked to perform during a community evening and present your creative routine, and will be available for questions relating to the benefits to all. Your movements, both locomotor and non-locomotor, must include various pathways, directions, levels and speed. You and your small group may include music and different types of equipment.			
Product/Evidence: (Expected product from students)	Students will create and perform a routine with a small group. Students will demonstrate various pathways, directions, levels and speed.			
<b>Differentiation:</b> (Multiple modes for student expression)	Students may:			

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	<ul> <li>Teach others their routine</li> <li>Invite community/ family</li> <li>Choose various songs</li> <li>Create class rubric and evaluate each group</li> </ul>
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Texts for independent reading or for class read aloud to support the content			
Informational/Non-Fiction	Fiction		
Concepts of Health-Related Fitness- Thomas M. Adams II minimal cost Fitness Education for Children- Stephen J. Virgilio minimal cost	Bend and Stretch: Learning About Your Bones and Muscles (The Amazing Body)- Pamela Hill Nettleton (Lexile 530) minimal cost  Watch Me Grow: Fun Ways to Learn About Cells, Bones, Muscles, and Joints-Michelle O'Brien-Palmer minimal cost		
	Inside Your Outside: All About the Human Body (Cat in the Hat's Learning Library)- Tish Rabe (Lexile 660) minimal cost		
Teaching Children Responsible Behavior - Sandra Hagenbach	Personal Space Camp - Julia Cook (Lexile 675) minimal cost  Exercise - Liz Gogerly (Lexile 500L) minimal cost  Babar's Yoga for Elephants - Laurent de Brunhoff (Lexile 560L) minimal cost  Elephants Cannot Dance, Watch me Throw the Ball - Mo Willems (Lexile 150L) minimal cost		

Ong	Ongoing Discipline-Specific Learning Experiences				
1.	Description:	Think/work like a physical educator: maintain safe practices while moving with or without equipment	Teacher Resources:	http://www.gov.pe.ca/photos/original/eecd_phyeduguid.pdf (Activity safety guidelines) http://www.pecentral.org/climate/perules.html (Sample Physical Education rules and guidelines)	
			Student Resources:		
	Skills:	Recognize appropriate safety practices in general space	Assessment:	Students will identify safety practices after each learning experience through discussion and pair share.	

2.	Description:	Think/work like a physical educator: use responsible/ cooperative behaviors with partners or in your group	Teacher Resources:	http://www.pecentral.org/climate/perules.html (Sample Physical Education rules and guidelines) http://www.pecentral.org/lessonideas/searchresults.asp?subcategory=cooperative+learning (examples of cooperative learning in PE)
			Student Resources:	
	Skills:	Demonstrate use of communication to facilitate responsibility and cooperation	Assessment:	Students will demonstrate ways to show responsibility and cooperation through cooperative learning.
3.	Description:	Think/work like a physical educator: move in control in personal and general spaces.	Teacher Resources:	http://www.sparkpe.org/wp-content/uploads/2009/11/K2_BaF_Gen_Space.pdf (Lesson and background information on personal and general space)
			Student Resources:	https://www.youtube.com/watch?v=mYP4FH6xZW4 (Student-made video about personal space)
	Skills:	Demonstrate safe movement and manipulation of their bodies in general space	Assessment:	Students will identify the difference between personal and general space through discussion and pair share.

## **Prior Knowledge and Experiences**

The learning experiences build on students' working knowledge of personal responsibility, cooperative skills, safe movement and travel. Student experiences and developmental readiness will vary due to socio economic opportunities and prior kindergarten enrichment activities.

Learning Experience # 1	
Awareness of body and space help demonstrate balance in movement.	
Task Description: The teacher may so that students can	Awareness of body and space help demonstrate balance in movement.
Generalization Connection(s):	https://www.youtube.com/user/CosmicKidsYoga (Cosmic Kids Yoga) https://www.youtube.com/watch?v=CITc2AxYnPY Yoga for Kids - Vol 1 (All Standing Postures)
Teacher Resources:	A, B, C's of Yoga by Teresa Power

Student Resources:	Students will perform individual and group yoga tasks as teacher specifies verbally or written to assess their balance skills.	
Differentiation: (Multiple means for students to access content and multiple modes for student to express understanding.)	Access (Resources and/or Process)	Expression (Products and/or Performance)
	The teacher may:	The students may:     demonstrate poses     create own poses     express how your body feels
Extensions for depth and complexity:	Access (Resources and/or Process)	Expression (Products and/or Performance)
	The teacher may:     offer before or after-school yoga classes     bring in an expert	The students may:
Critical Content:	<ul> <li>different directions and at high, medium and low levels in space</li> <li>different levels on different body parts</li> <li>Personal space, high and low levels, fast and slow speeds, light and heavy weights, balance and twist</li> </ul>	
Key Skills:	<ul> <li>move in different directions at a high, medium and low levels in space</li> <li>Balance at different levels on different body parts</li> <li>Personal space, high and low levels and balance and twist</li> </ul>	
Critical Language:	Balance, Twist, Dynamic, Static, Pose	

### Learning Experience # 2

The teacher may construct a modified series of the game Twister so that the students can investigate the concept of body and space awareness.

Generalization Connection(s):	Awareness of body and space help demonstrate balance in movement.	
Teacher Resources:	Google search for twister adaptations.	
Student Resources:	N/A	
Assessment:	Students will summarize their different trials with the game and discuss the benefits of the control of own body and their working relationship with their partner or group.	
Differentiation:	Access (Resources and/or Process)	Expression (Products and/or Performance)

(Multiple means for students to access content and multiple modes for student to express understanding.)	The teacher may:	The students may:  • develop own sets of cards in groups  • exchange with other groups and play then give feedback
Extensions for depth and complexity:	Access (Resources and/or Process)	Expression (Products and/or Performance)
	The teacher may:	The students may:  • develop own sets of cards in groups  • exchange with other groups and play then give feedback
Critical Content:	<ul> <li>Personal space, general space and boundaries</li> <li>Different levels on different body parts</li> <li>Personal space, high and low levels, fast and slow speeds, light and heavy weights, balance and twist</li> </ul>	
Key Skills:	<ul> <li>Discuss personal space, general space and boundaries</li> <li>Balance at different levels on different body parts</li> <li>Personal space, high and low levels, fast and slow speeds, light and heavy weights, balance and twist</li> </ul>	
Critical Language:	Space, Levels, Awareness, Movement, Balance, Reasoning, Communication, Symmetry	

### Learning Experience # 3

The teacher may design warmups calling out locomotor and non-locomotor movements so students can compare and contrast the differences. (e.g. line drills with small groups moving across designated area: gym floor, concrete, field, etc.)

the differences. (e.g. fine diffis with small groups moving across designated area. gym noor, concrete, field, etc.)		
Generalization Connection(s):	Experimentation with various locomotor patterns, varied levels of effort and force, increase balance, coordination and movement capacities.	
Teacher Resources:	https://www.youtube.com/watch?v=ICn7xLQIfrc (locomotor skills moving from point A to B)	
Student Resources:	https://www.youtube.com/watch?v=GN1cjZwqS8Y (comparing locomotor vs non-locomotor skills)	
Assessment:	Students will demonstrate their mastery of non-locomotor and locomotor skills through playing several fleeing and chasing games (e.g. Freeze tag, Line tag, Needle and Thread)	
Differentiation:	Access (Resources and/or Process)	Expression (Products and/or Performance)

(Multiple means for students to access content and multiple modes for student to express understanding.)	The teacher may ask students to  • give examples of locomotor and non-locomotor movement and sort them by category movement skill vs non movement  • Demonstrate movement skill vs non movement	The students may  demonstrate whole body movements that your feet move and ones your feet don't move  pair up and come up with patterns of Non locomotor and locomotor movements for groups or entire class
Extensions for depth and complexity:	Access (Resources and/or Process)	Expression (Products and/or Performance)
	The teacher may  • present different patterns	The students may  • demonstrate different patterns
Critical Content:	<ul> <li>Jog and a run, hop and jump, gallop and slide</li> <li>Forward and sideways directions using a variety of locomotor and non-locomotor patterns and change direction quickly in response to a signal</li> </ul>	
Key Skills:	<ul> <li>Distinguish between a jog and a run, hop and jump, gallop and slide</li> <li>Travel in forward and sideways directions using a variety of locomotor and non-locomotor patterns and change direction quickly in response to a signal</li> </ul>	
Critical Language:	Self-Direction, Space, Recognition, Speeds, Compare/Contrast, Awareness, Movement, Balance, Effort, Force, Directionality, Levels, Pathways, Traveling, Variation, Locomotion, Patterning, Reasoning	

Learning Experience # 4			
The teacher may share a video recognizing and reviewing various pathways, directions and speeds.			
Generalization Connection(s):	https://www.youtube.com/watch?v=jzJJ8a5pAH0 (Copy of B & B game) https://www.youtube.com/watch?v=MFzDaBzBlL0 (Hook for relearning various pathways of our brain"backwards bicycle") https://www.youtube.com/watch?v=UljREnjVI2I (Live feed of busy crosswalk in NY)		
Teacher Resources:	https://www.youtube.com/watch?v=jzJJ8a5pAH0 (Copy of B & B game) https://www.youtube.com/watch?v=MFzDaBzBIL0 (Hook for relearning various pathways of our brain"backwards bicycle") https://www.youtube.com/watch?v=UjREnjVI2I (Live feed of busy crosswalk in NY)		
Student Resources:	Students will construct a game of "Builders and Bulldozers" to engage in groups/teams to travel and vary direction, speed, and space to strategize and prove their theory.		
Assessment:	https://www.youtube.com/watch?v=jzJJ8a5pAH0 (Copy of B & B game) https://www.youtube.com/watch?v=MFzDaBzBIL0 (Hook for relearning various pathways of our brain"backwards bicycle") https://www.youtube.com/watch?v=UIjREnjVI2I (Live feed of busy crosswalk in NY)		
Differentiation:	Access (Resources and/or Process)	Expression (Products and/or Performance)	

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(Multiple means for students to access content and multiple modes for student to express understanding.)	The teacher may ask the students to	<ul> <li>The students may</li> <li>use different size cones or equipment</li> <li>use various amounts of equipment</li> <li>follow tempo of music (i.e. slow, med. fast)</li> <li>master different locomotor patterns and directions</li> </ul>
Extensions for depth and complexity:	Access (Resources and/or Process)	Expression (Products and/or Performance)
	The teacher may challenge game by  use different body parts for bulldozer/building  work with partners  devise own differentiation	The students will adapt or change
Critical Content:	<ul> <li>Personal space, general space and boundaries</li> <li>Different directions and at high, medium and low levels in space</li> <li>Locomotor movements in a variety of pathways and levels</li> <li>Forward and sideways directions using a variety of locomotor and non-locomotor patterns and change direction quickly in response to a signal</li> <li>Jog and a run, hop and jump, gallop and slide</li> </ul>	
Key Skills:	<ul> <li>Discuss personal space, general space and boundaries</li> <li>Move in different directions and at high, medium and low levels in space</li> <li>Demonstrate locomotor movements in a variety of pathways and levels</li> <li>Travel in forward and sideways directions using a variety of locomotor and non-locomotor patterns and change direction quickly in response to a signal</li> <li>Distinguish between a jog and a run, hop and jump, gallop and slide</li> <li>Differentiate among personal space, high and low levels, fast and slow speeds</li> </ul>	
Critical Language:	Jog, Run, Hop, Gallop, Slide, Speeds, Twist	

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