

EXHIBIT 16  
DATE Feb 3, 09  
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# The CoMotion in Motion RESOURCE GUIDE FOR TEACHERS

By Karen A. Kaufmann and Lisa M. Blank

To accompany the dance performance  
**A CoMotion in Motion**

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## **Who We Are**

Karen Kaufmann, Associate Professor of Dance at The University of Montana, founded The CoMotion Dance Project in 2006. The new company continues the educational work of The Mo-Trans Dance Company.

The CoMotion Dance Project has two primary aims: to tour high quality, educational dance performances to Northwest schools and communities; and to provide professional development workshops for educators on incorporating dance in the classroom. We seek to bring the art form of modern dance alive to all audiences and help young people more deeply appreciate what they're watching.

We tour to audiences in Montana and throughout the Northwest. *A CoMotion in Motion* is offered to K-6 schools. Additional workshops are available including:

- School Workshops for grades K-6
- Classes for People with Disabilities, Senior Citizens, Youth at Risk
- Parent/Child Classes

### **For bookings:**

*ask about our promotional dvd!*

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## **Exhibit 16**

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# Sunday Missoulian

February 24, 2008

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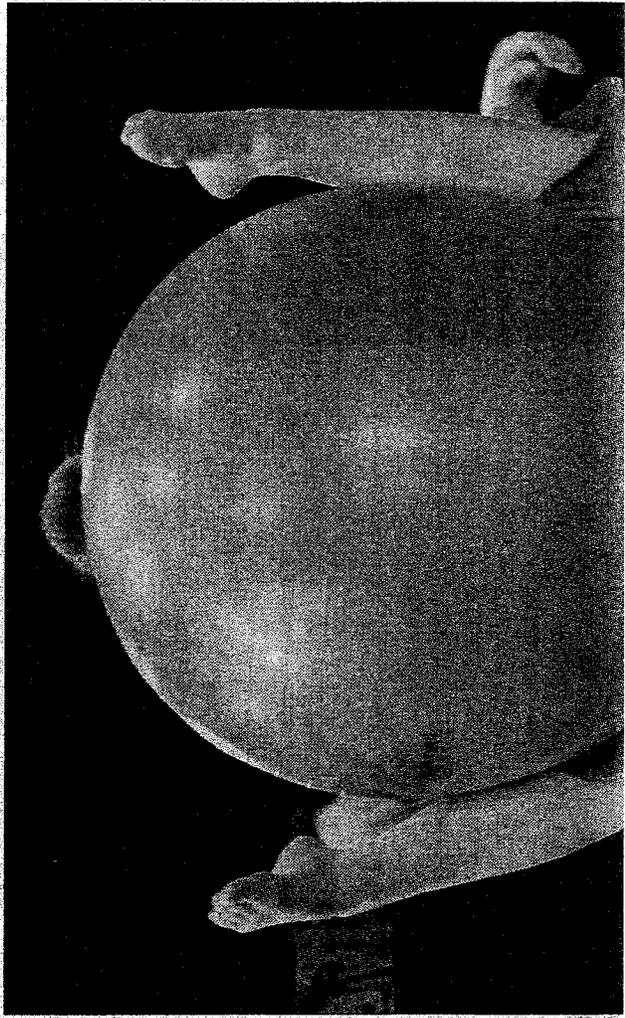
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## Do the COMotion

*Gravity, inertia stars of show highlighting Isaac Newton's laws*

Written by JAMIE KELLY  
Photographed by KRISTA MILLER  
of the Missoulian

**T**hey're not the Laws of Motion. They just play them on stage. Dozens of Missoula schoolchildren shared time on the stage of the Montana Theatre Friday afternoon, twirling, twisting and contorting their little bodies, emulating the laws of physics — through dance — that they'll come to know —



CoMotion  
in Motion," go to this  
story on  
Missoulian.com.

children and their teachers were in the audience for "A CoMotion in Motion," a dance and educational program that regularly tours the state, including several Missoula schools this week.

As four dancers from the University of Montana leaped and tumbled on the stage with four giant rubber balls, Karen Kaufmann – the developer of "CoMotion," and head of the dance department at UM – delivered the voice-over, teaching lessons about inertia, mass, momentum, gravity and force. It is, in other words, Newton's Laws of Motion set to dance and music.

"If the Earth had no gravity, we'd all float away," said Kaufmann, as the dancers drifted aimlessly about the stage.

The lesson on gravity was followed by the "Gravity Dance," in which children from the audience twisted and tumbled onto the stage, learning the most important thing of all: These laws cannot be broken, and you'd better obey them because they can hurt you as well as help you.

"I wanna do it again! I wanna do it again!" screamed a little blonde girl after her time on stage.

"A CoMotion in Motion," developed and choreographed last year, is not just a dance performance, but a fully integrated curriculum in use by schools around the state of Montana.

Friday's performances (there was one at 7 p.m. as well) were used to launch a weeklong program called "Making Connections: Dance and Learning Festival," which will have University of Montana and community dancers visiting three high schools, two middle schools and five

See **COMOTION**, Page A10



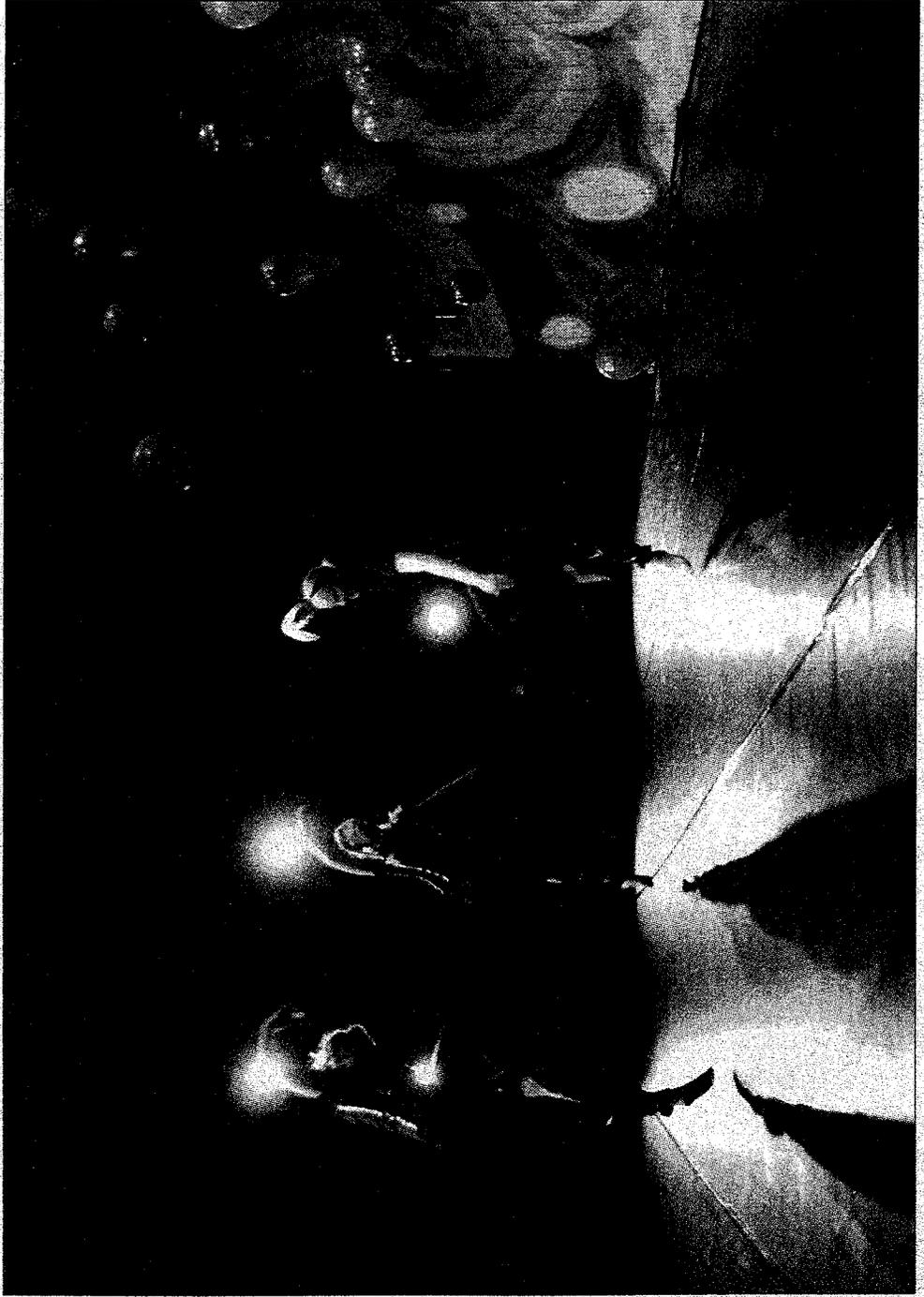
**ABOVE:** Jordan DeHline portrays the Law of Gravity during the matinee performance of "A CoMotion in Motion" on Friday. The dance is based on Newton's Laws of Motion and uses creative movement to introduce physics concepts to young children.

**LEFT:** Cassy Johnson, right, shows kids from the audience movement associated with momentum and force.



A10 - Missoulian, Sunday, February 24, 2008

## FROM PAGE A1



**"A CoMotion in Motion,"** created and choreographed by Karen Kaufmann, is part of the Young Audiences program and is performed by University of Montana dance students. Performances and in-service workshops will continue this week throughout Missoula schools.

# CoMotion

## Continued

elementary schools in  
Missoula through Feb. 29.

Nearly 1,200 Missoula  
students will participate in  
dance and educational events  
- classes, workshops and  
lectures - integrated into the  
science, math, music, art and  
language arts curricula.

Motion, the fictional setting  
of a small drama featuring  
the miscreant Bounce, who is  
kicked out of town by Push  
and Pull for being too darn  
mean.

Not a cooperative force,  
Bounce is reminded of her  
important role in the Laws of  
Motion by Queen Inertia,  
who explains that Bounce has  
a responsibility to know the  
law and to treat others with

respect.  
"Look before you leap,"  
the queen says. "Consider  
before you collide. Play nice,  
and use just enough Push and  
Pull to keep your  
equilibrium."

## Make a commotion

To learn more about the  
"Making Connections:  
Dance and Learning  
Festival," contact Karen  
Kaufmann at 243-2870 or  
e-mail [karen.kaufmann@mso.umt.edu](mailto:karen.kaufmann@mso.umt.edu).

But on Friday, it was all  
physics in the town of

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Children experience abstract physics concepts in an exciting, concrete way through an engaging contemporary dance performance choreographed especially for children ages five through twelve. Follow the adventures as our hero Bounce learns the hard way about the Laws of Motion!

The 50-minute program combines narration and vivid choreography using large, colorful physio balls and dynamic scenery. Five dancers, wearing fun costumes, dance to an original sound score. **A CoMotion in Motion** is sure to engage children of all ages. This piece is part of the Young Audiences Artist in the Schools Program.

# A CoMotion in Motion

THE CoMOTION DANCE PROJECT, based at the Department of Drama/Dance at The University of Montana, presents:

# A CoMotion in Motion

Now Booking Performances in Elementary Schools!

Imagine seeing Newton's Laws of Motion come to life in an active dance performance!

That's what **A CoMotion in Motion** is all about!

**Part One** introduces the performers and presents the physics concepts in an easy-to-follow lecture/demonstration format. Audience members observe movement in different directions and levels, at varying speeds. The dancers demonstrate gravity and friction, and small groups of audience members are brought onstage to experience gravity, weight, and counterbalancing concepts for themselves. Newton's three laws are demonstrated and explained.

**Part Two** reinforces these concepts in a 15-minute story choreographed and narrated with an original musical soundtrack. Young audiences of all ages will delight in the misadventures of a bad ball named Bounce, who is discourtous to the other balls and causes a commotion in the Town of Motion. After being banished for his behavior Bounce learns the hard way how his actions cause reactions in others. In the end, he discovers his own equilibrium in Motion.

## Teacher Comments about Past Programs

**MATH MOVES**  
 "My students loved it! It was the best program of its kind!"

"The way the dancers integrated math with movement was remarkable! I got so many great ideas from watching them!"

**MOVING WORDS**  
 "The dancers really knew how to keep even our most active students engaged, and their classroom management skills were excellent. The schools need much more of this kind of learning."

**DANCING WATERS**  
 "Keep these kinds of assemblies coming! This is what education needs more of!"  
 "The catchy music, dance, yellow rain coats and rubber boots were a real treat for our small school! The kids loved every minute!"

**A CoMotion in Motion** is performed by a new company, The CoMotion Dance Project, based at the Department of Drama/Dance at The University of Montana.

Supported in part by The University of Montana Small Grant Program

**For more information:**  
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# A CoMotion in Motion

## What School Children Gain from CoMotion

■ **Experiences in multiple intelligences:** The performance deftly combines the bodily-kinesthetic, musical, visual, spatial, and logical-mathematical intelligences in a program that is a delight to the senses.

■ **Curriculum integration** of physics through contemporary dance, music, and creative dramatics.

■ **Imaginative and creative ways of learning abstract science concepts** within the elementary curriculum: gravity, friction, mass, weight, force, and inertia—and their applications to everyday life.

■ **Appreciation for the discipline of contemporary dance,** choreography, and live performance and the related arts of costume design, set design, and music composition.

■ **Opportunities to learn** in an energized, creative environment.

■ **Opportunities for creative and critical thinking** through an interdisciplinary performance.

## Especially for Teachers

■ **New ideas for educators on using the arts** in the daily classroom. The *CoMotion Resource Guide for Teachers* offers specific ideas to be implemented before and after the performance, including discussion questions about how to watch dance, audience etiquette, a glossary of dance and physics terminology, and a behind-the-scenes look at how **A CoMotion in Motion** was created. The follow-up ideas consist of classroom-tested activities to extend student learning in creative movement and physics.

## Previous Programs

**A CoMotion in Motion** follows in the footsteps of three prior dance pieces performed by The Mo-Trans Dance Company, integrating dance with curricular areas:

**DANCING WATERS** (1995) integrated dance with earth science and the water cycle. This production later toured to the Dance and the Child International Conference (daCi) in Finland in 1997.

**MOVING WORDS** (1998) linked dance with parts of speech and sentence construction. In addition to touring the Northwest, it was performed by the Cross Currents Dance Troupe in Maryland schools.

**MATH MOVES** (2002) used dance and mathematical concepts to teach K-6 students about lines, shapes, and numbers. It was performed in Alaska and throughout the Northwest, and is currently performed by the Atrak Dance Collective in St. Louis schools and the Cross Currents Dance Troupe in Maryland schools.

**About the Choreographer**  
Award-winning choreographer Karen Kaufmann is nationally known for her choreography linking dance to the academic curriculum. Ms. Kaufmann heads the dance program at The University of Montana and her choreographic work has been performed in schools throughout the Northwest. She received an Individual Fellowship Award from the Montana Arts Council (2001) and the University of Montana Service Award (2005) for her service and outreach in dance education.

**A CoMotion in Motion** is performed by a new company, The CoMotion Dance Project, based at the Department of Drama/Dance at The University of Montana.

## About the Performance

**Performance Space:** A gymnasium or a multi-purpose room, preferably with a clean, smooth wood floor, is ideal. A stage will also work. The dancers use a large, open area approximately 30' x 30' or larger. The company can work in smaller spaces if necessary.

**Our Company:** A CoMotion in Motion is presented by five dancers and a narrator.

**Set-Up/Breakdown Time:** One hour in the space is required for load-in, set-up, and warm-up. The company can break down and load out in about 20 minutes.

**Electrical Supply:** The CoMotion dancers travel with their own sound system, speakers, and microphone. All we need is an electrical outlet.

**Length of Performance:** 50 minutes

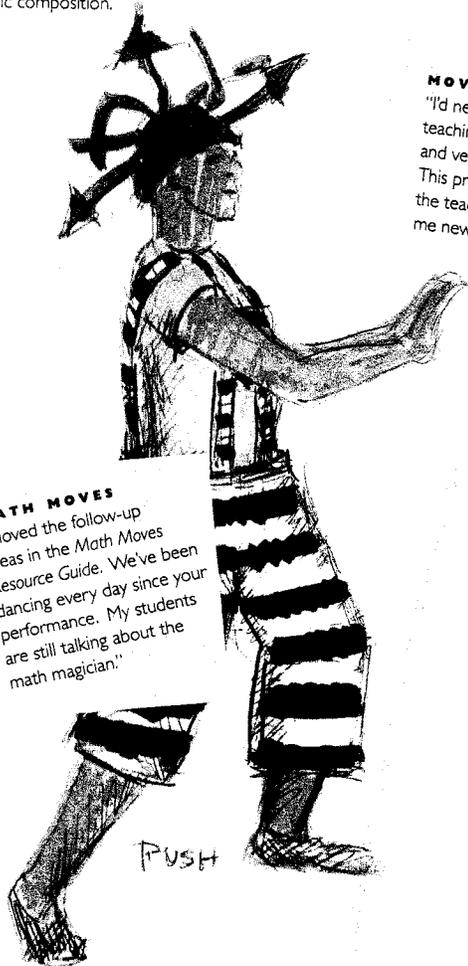
**Ideal Audience Size:** 60-150 students

**Audience Seating:** Students may be seated on the floor or in bleachers.

**Audience Participation:** Small groups of students are invited onstage twice during the performance. In addition, the entire audience is involved several other times from their seats.

**Advance Preparation:** Choreographer Karen Kaufmann has written *The CoMotion Resource Guide for Teachers* to help teachers prepare the students for the performance and to follow up afterwards. *The Resource Guide* is free to schools that book the program.

**Bookings:** **A CoMotion in Motion** is affordable for rural and urban schools. Ask about our touring dates and a special offer if you book before November 15.



**MOVING WORDS**  
"I'd never considered teaching about adverbs and verbs through dance! This program, along with the teacher guide, gave me new ideas!"



**DANCING WATERS**  
"This performance was unforgettable! Such a fun way to teach about the water cycle!"

## To Book a Performance or Learn More

**For bookings:**  
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alaynusa@montana.com

**For more information:**  
Karen Kaufmann, Artistic Director  
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karen.kaufmann@umontana.edu

Costume design:  
DENISE MASSMAN

# The CoMotion Dance Project

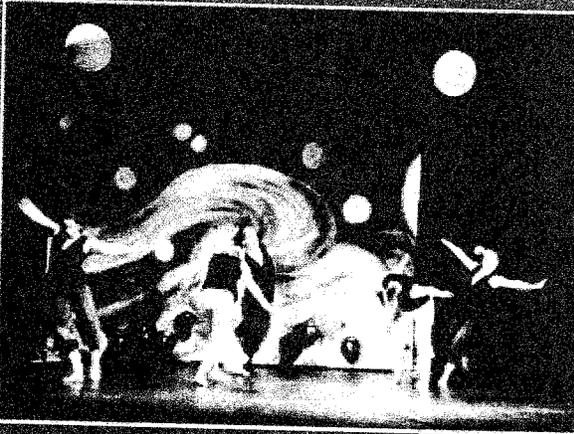
| CoMotion Dance Project | School Residencies | MoDE | Making Connections Festival |

Welcome to the new website for  
CoMotion Dance Project,  
Montana's main sponsor of  
dance in education.

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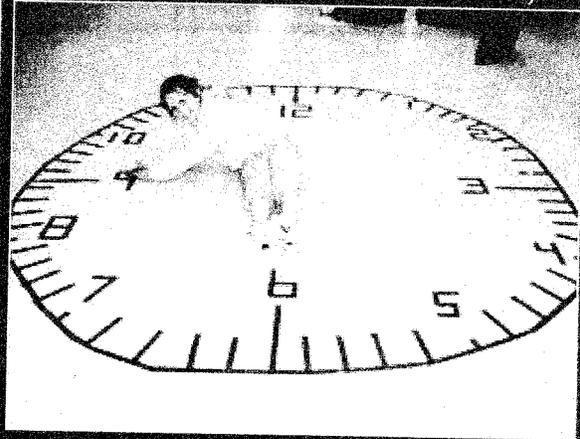
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## COMOTION DANCE PROJECT



Presenting participational dance performances for K-8 schools

## MoDE Montana's Model Dance Education Project



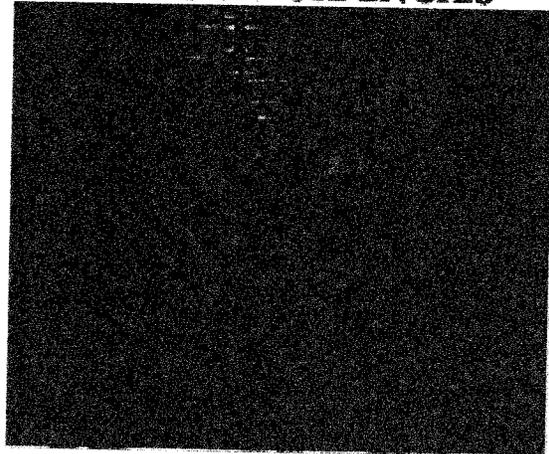
Hiring highly qualified dance teaching artists in Western Montana schools in long-term residencies

## 2008 MAKING CONNECTIONS: DANCE AND LEARNING FESTIVAL



A week-long festival of dance in Missoula elementary, middle, and high school classrooms

## SCHOOL RESIDENCIES



Week-long school residencies for K-8 students and workshops for teachers on using movement to teach the curriculum