



BODY COGNITION AND MATH EDUCATION FOR PRE-SCHOOL CHILDREN

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our group





UNICAM Science
Outreach







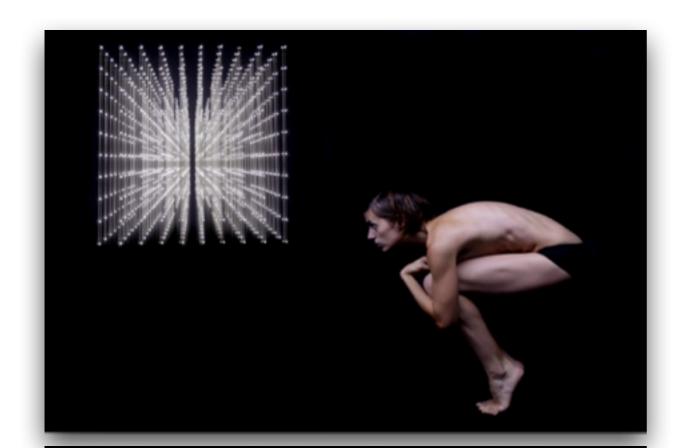




Dance is made up of lines, points, and volumes. The dancer is not just a foreign body to the space, but it is part of it.

Every step, every combination of movements, from the simplest to the most complex, should celebrate this fusion between the human body and the environment.

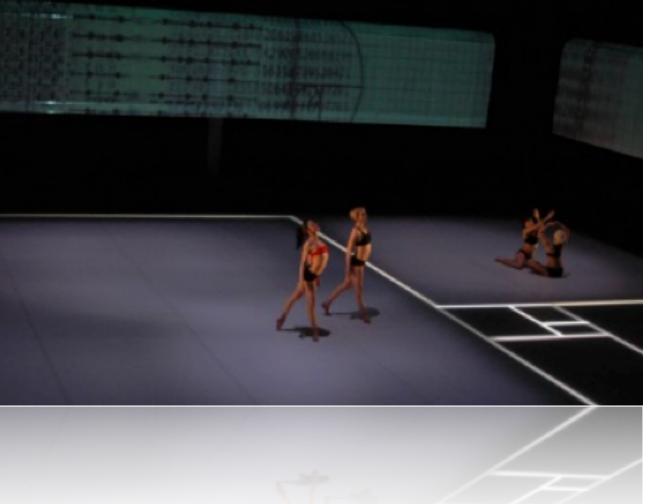
Only when you are aware of its importance in space, every gesture becomes dance.



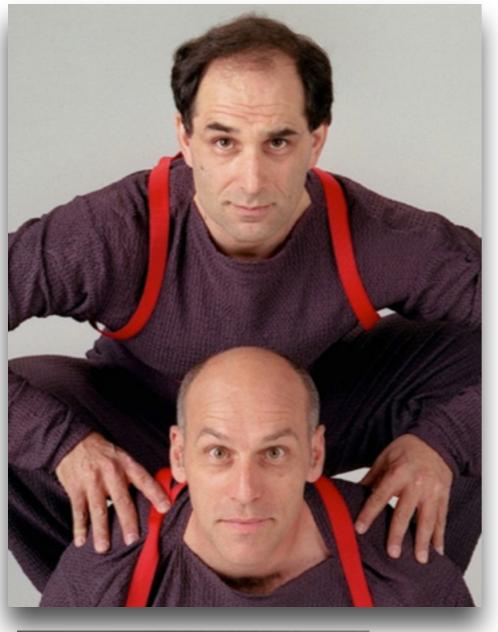
Wayne McGregor



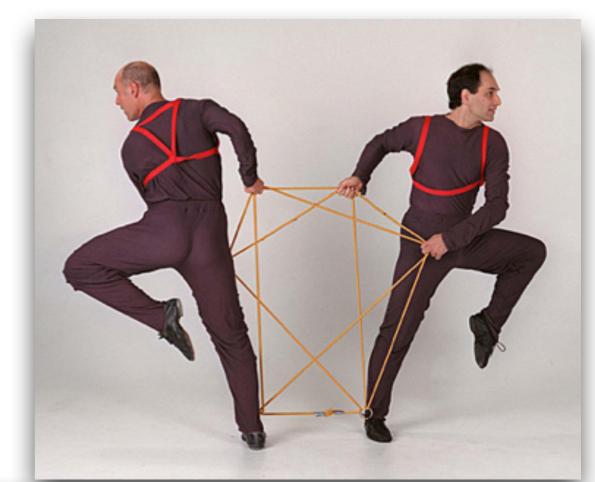




Karl Schaffer & Erik Stern













Music and Text: "Delirio matematico" Stefano Bruno and Marcello Ciampa

who is the mathematician?



Music:Knee n°5 (Einstein on the beach)
Philip Glass e Robert Wilson

symmetries, golden section, numerical sequences

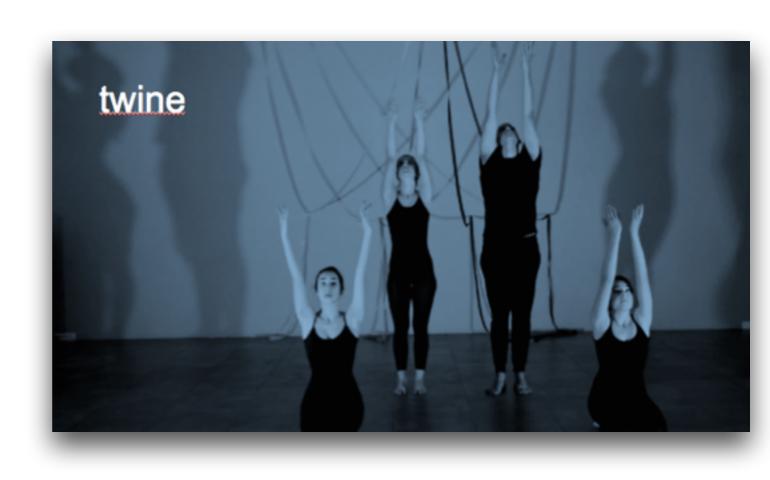
Music: Body Percussion
The percussion show

transformations, modular arithmetic

Music: Methamorfosis 1 Philip Glass

knots and braids, inverse functions







The body has a leading role in the educational process: is the mediator of the knowledge and the first actor of the communication.

Scuola dell'Infanzia di Serravalle del Chienti I.C. "Ugo Betti"



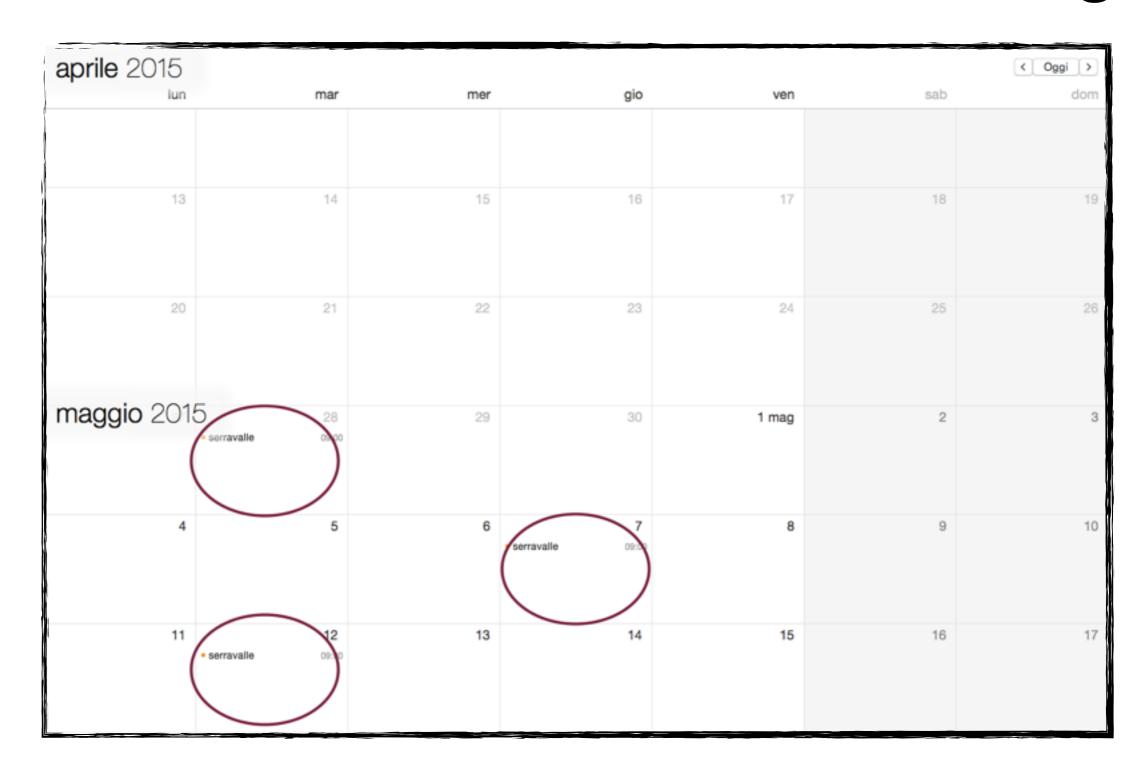




travel buddies



meetings



mad scientist & co







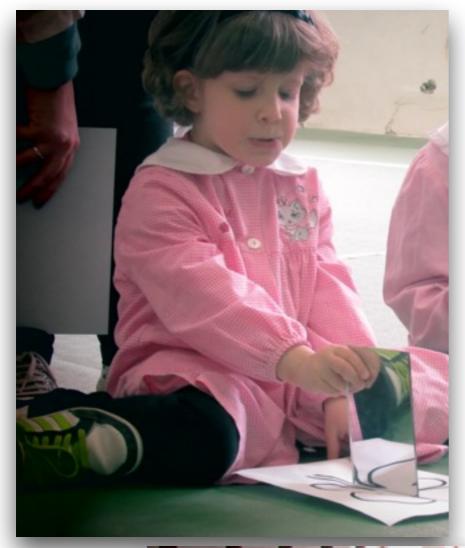


harmonies and symmetries

play with bodies, find out all the proportions and the symmetries.



Materials: plexiglas mirrors; images; red and white tape; musics;







points and lines

find the concept of lines and point and geometric transformations on the space around our body



Materials:

- beaks made of paper;
- colors;
- musics;







knots and braids

play with the concept of knots and braids

Materials:

- ropes











conclusions



grazie;)