

DanceScienceFest: *A Body in Motion*

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For workshop handouts, discussion questions, and examples, see:
dancesciencefest.org/workshops/

(This is not a piece of paper. This is a tool for dance investigation.)

Wonders & Prompts:

A Piece of Paper	The Swing of Things	Force Pairs
<ul style="list-style-type: none"> • What are the forces acting on the paper? How does it stay on your hand? What if there were no gravity? • What if we'd used heavier paper? or lighter paper? or bigger paper? or ... ? How could we investigate this? • What does the paper tell us about the air in the room? What else does air do? Why would we call this the "Air Aquarium"? • When you create a phrase with the paper, what are your limitations? What is your goal? What is the essence of this process of creating? 	<ul style="list-style-type: none"> • We saw different lengths swing at different paces. How can we communicate this relationship to someone else? How is this pattern demonstrated? • Why do objects with different length dimensions travel in different ways? Where else do we see this? How do we accommodate this and use it? • What else could we do to change the pendulum, besides its length? How would this change the swing? How could we investigate this? • What does time mean, and how does it affect us? How do we measure it? How do we use it? 	<ul style="list-style-type: none"> • We say that forces come in pairs. How does this show up in movement? How do we use it, and how does it limit us? • What is a "center of mass"? Is it always there? How does it get changed? Why would you want to? • What is a system? Why would we consider such a thing? How does it help us to understand complicated problems? How does it help us to design solutions to problems? • What is engineering? What is choreography? Is it valid to say that the two processes are the same? Why or why not?

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