

CALIFORNIA STATE SCIENCE FAIR 2016 PROJECT SUMMARY

Nome(s)	Ducient Number
Name(s)	Project Number
Hadrien P. Lackner	
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	36416
Project Title	
Childsplay: Using Playgrounds to Benefit Mankind	
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Objectives/Goals Abstract	
My aim is to demonstrate the feasibility of supplying power and water to small	solated communities by
the use of simple mechanical playground devices powered by children at play.	
Methods/Materials	
Playground devices such as swings, sea-saws, carousels and treaded lls, using same Results	mechanical models.
These devices can be adapted to generate power and to pimp water, as well as	to mill grain.
Conclusions/Discussion	
By using simple, durable mechanical devices, I will demonstrate that off-the-gr	rid communities can
generate cheap, reliable power and can also pump water for agriculture anitation. These devises can also be used for milling grain.	ion and consumption.
These devises can also be used for mining grain.	
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Summary Statement	
I will demonstrate that off-the-grid communities can generate power, pump wa	ter and mill grain using
simple, mechanical numan-powered devices.	
Help Received	
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