Empirical Music Research Project:

We would like to design a wearable sensor such as a glove (or similar device) using the FLORA chip. These sensors will include an accelerometer, a gyroscope, and a piezo element, which will give us an incredibly high level of real-time motion data.

Equipment that we already have:

- Kinect sensors
- Arduino Uno boards (3)

Equipment that we need for **one** wearable sensor:

FLORA 9-DOF Accelerometer/Gyroscope/Magnetometer - LSM9DS0 - v1.0		$19.95
FLORA - Wearable electronic platform: Arduino-compatible - v3		$14.95
Stainless Medium Conductive Thread - 3 ply - 18 meter/60 ft		$6.95
Wiring	(Jumper Wires, Ribbon Wires)	$5.00
Textiles	(Material, Snap Buttons)	$20.00
Other	(Solder, Piezo Sensors, Shipping costs, Cables, other)	$20.00
Total Estimate for **one** device		**$86.85**
Two devices	x 2	**$173.72**

Note that we are requesting the materials to create **two** such devices. But some of the resources on this list would only need to be purchased once, decreasing the total cost to about **$150**

Amount requested for equipment: $150

Amount requested for participant enticements: $250
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Grand total: **$400**