



Lisa's Guided Tour of Mistakes

"We Learn From Failure, Not From Success!" - Bram Stoker

Step 1: Ambition is good, but remember
time and resource restrictions

“Failure is a greater teacher than success”
- Clarissa Pinkola Estes

My First Proposal:



REJECTED!

“Failure is a greater teacher than success”
- Clarissa Pinkola Estes

Step 2: Remember your other variables
- keep your experiment simple so as to
get decent results that tell you
something.

“It’s fine to celebrate success, but it is more important to
heed the lessons of failure”

- Bill Gates



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Step 3: Practice makes permanent.

(but don't forget to practice the stress, too)

“A person who never made a mistake never tried
anything new.”

- Albert Einstein

Pre-Flight: Start **accelerometer** and **camera in die container** prior to takeoff.
 Before first parabola: Assemble trombone.

Parabola #	Experiment	Materials	Notes
S/L			1. Stow sound tube in bag 2. Keep trombone 3. Attach cake sprinkles to trombone
11 0g	Acclimate with trombone and 0 g		Dr. Crosby - backup recording focus on cake sprinkles
12 0g	Play high E into sound tube	Sound tube attached to trombone	
13 0g	Play regular E into sound tube	Sound tube attached to trombone	
14 0g	Play high E into sound tube	Sound tube attached to trombone	
15 0g	play harmonic series 2nd position into sound tube	Sound tube attached to trombone	
16 0g	Check response time of astronauts - playing a drum with a metronome (tempo 60 bpm)	Drum, metronome, drumsticks	Dr. Crosby to record - should have view of drum head, sticks, and metronome in camera view After this parabola, set metronome to 90 bpm
17 0g	Repeat parabola 16 at tempo 90 bpm	Drum, metronome, drumsticks	After this parabola, set metronome to 120 bpm
18 0g	Repeat parabola 16 at tempo 120 bpm	Drum, metronome, drumsticks	After this parabola, set metronome to 180 bpm
19 0g	Repeat parabola 16 at 180 bpm	Drum, metronome, drumsticks	After this parabola, set metronome to 208 bpm
20 0g	Repeat parabola 16 at 208 bpm	Drum, metronome, drumsticks	
Parabolas 21-30	Trombone playing - slide movement in 0 g? Slinky? Photo ops with Kurt shirt, mission patches, and mascot		

POST-FLIGHT - Turn off camera on die, close down accelerometer.

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 - Albert Einstein

Step 4: When creating your experiment ideas, consider how you will collect data. If this involves a specific camera angle, plan for how that will be possible!

“When you take risks, you learn that there will be times when you succeed and there will be times when you fail, and both are equally important.”

- Ellen Degeneres



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Step 5: If you have a problem that needs solving, involve your students! You don't have to go it alone!

“We will fail when we fail to try.”

- Rosa Parks



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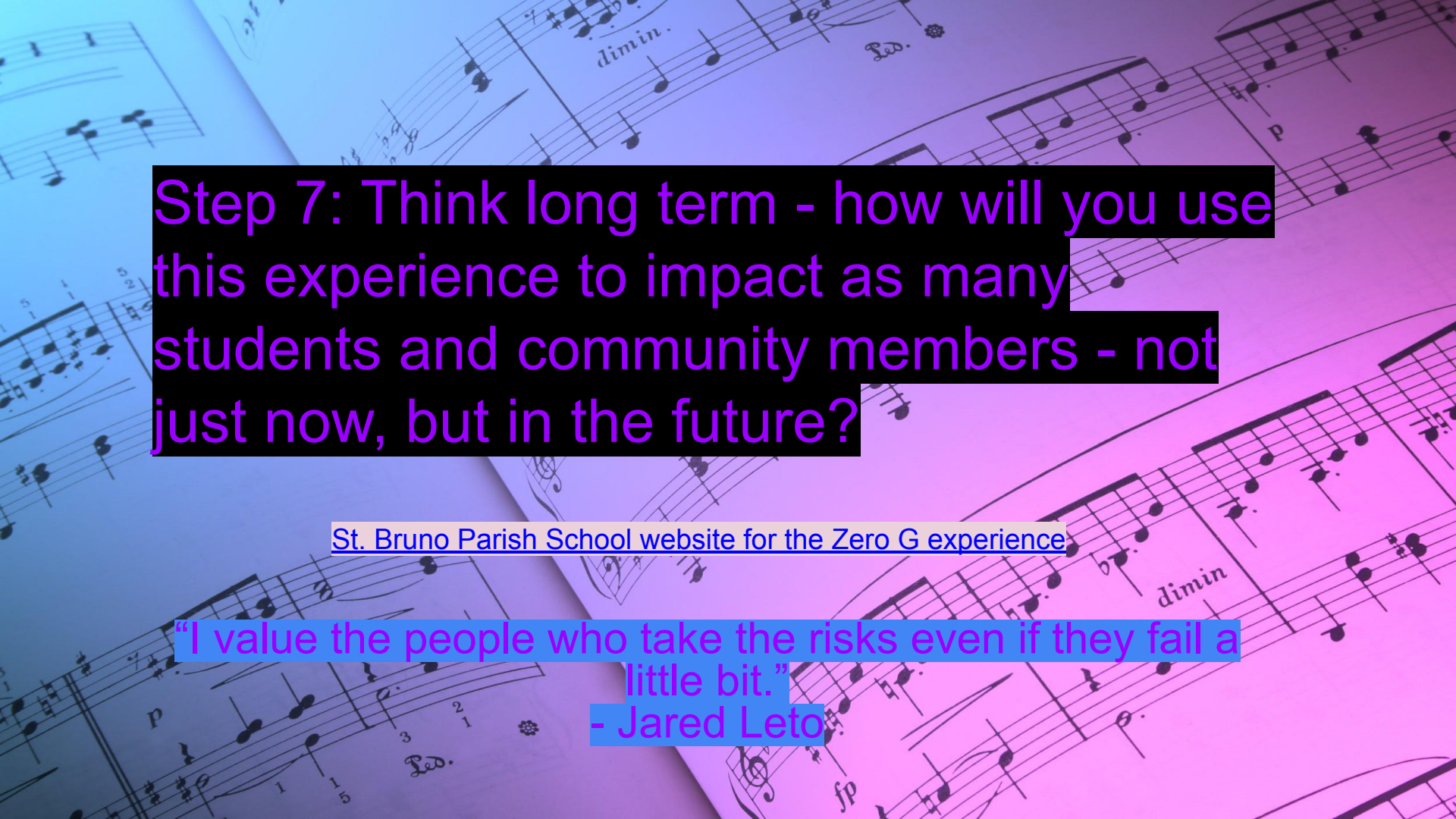


Step 6: Don't lose sight of what you want
YOUR STUDENTS to get out of the
experience!

“Do not fear mistakes. There are none.”
- Miles Davis



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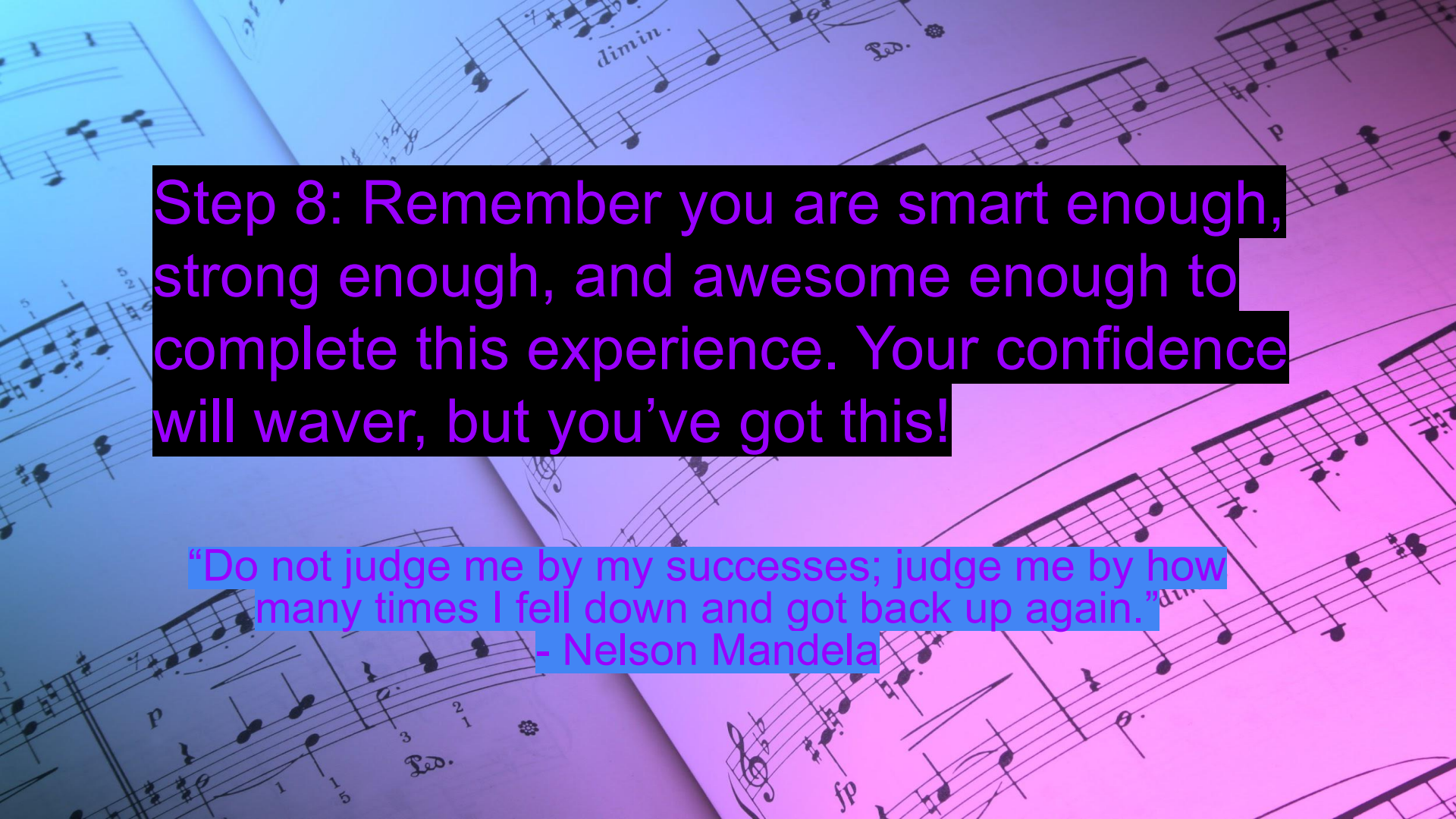


Step 7: Think long term - how will you use this experience to impact as many students and community members - not just now, but in the future?

[St. Bruno Parish School website for the Zero G experience](#)

"I value the people who take the risks even if they fail a little bit."

- Jared Leto



Step 8: Remember you are smart enough, strong enough, and awesome enough to complete this experience. Your confidence will waver, but you've got this!

“Do not judge me by my successes; judge me by how many times I fell down and got back up again.”

- Nelson Mandela



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