**Sound Choices Workshop Chicago August 26, 2018**

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| **Clock Time**  |  | **Duration (Min)** |
| 7:30 - 8:00 | sign in/ registration for ISBE clock hours - otherwise do it at lunch |  |
| 8:00 - 8:10 | Introduction  | 10 |
| **PART I: PHYSICS OF SOUND** |  |
| 8:10 - 8:20 | Introduction: Sound as a wave activity | 10 |
| 8:20-8:30 | ***Dr Luc Jaouen : Amplitude, frequency and how people hear and facts explained using interactive web pages and videogames.*** | 10 |
| 8:30-8:45 | Lesson - balloon combine 2 lessons | 15 |
| 8:45- 9:00 |  tuning fork (break out into groups and do on their own if time) | 15 |
| 9:00-9:15 | Lesson- visualizing sound waves Camille Gaulon | 15 |
| 9:15-9:25 | goop on base speaker | 10 |
| 9:25-9:40 | Dr. Luc : Luc will be able to interact with people to explain several things like the audible domain, the mass effect in acoustics (I see a link with the noise barriers packet – T-13) and simple facts concerning sound absorbing materials using Sponge Bob | 15 |
| 9:40-10:05 | T-13 sound barrier (sound proof box) - app/appendix introductions | 25 |
| 10:05-10:15 | Slinky ( summary of concepts) (relate to animal) | 10 |
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| 10:15-10:25 | break and snack time (hide the tablets) | 10 |
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| **PART II: TERRESTRIAL SOUND** |  |
| 10:25-10:40 | what do you hear? (have everyone close their eyes and listen - then timers go off, timers attached to little bags of candy/or something else) SOUND BALANCE | 15 |
|  | video on fox hunting/  |  |
| 10:40- 11:10 | ***Heidi Ware presentation: Phantom Road: How traffic noise affects birds*** | 30 |
| 11:10-11:20 | it's all connected - noise mice/ birds- | 10 |
| 11:20 - 11:25 | Break up: explaination of thumbdrive organization/where to find multimedia etc: include NPS clip of motorcyle vs. car travel | 5 |
| 11:25 - 11:40 | Night Skies natural sounds packet middle school / Transportation packet K-5th | 15 |
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| 11:40-12:25 | **Lunch, tables?** | 45 |
| 12:25 PM - 1:15 | ***Dan Dugan: Our National Parks: A world in sound***  | 50 |
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| **PART III: MARINE SOUND** |  |
| 1:15-1:25  | background info and play around with ppt on tablets | 10 |
| 1:25 - 1:40 | Find your pod break into groups by grade level k-2 clickers 3-5 squeakers, introduce packet, a facilitator per group | 15 |
| 1:40 - 1:55 | shipping noise and discuss balancing | 15 |
| 1:55-2:05 | break | 10 |
| 2:05-2:25 | ***Dr Olivier Robin : Acoustics and comics – a silent media put sound into words and pictures Marine sounds how noise affects people*** | 20 |
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| **PART IV: HUMANS AND SOUND** |  |
| 2:25-2:55 | ***Les Blomberg background information steps they can take to reduce noise***  | 30 |
| 2:55 - 3:25 | Lessons on people and hearing : sounds important to you, and your culture | 30 |
| 3:25-3:40 | how to protect hearing  | 15 |
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| 3:40 - 4:00 | tablet give away/ kit sign out/ evals | 20 |