Visual Nature Examples

"If you want to find the secrets of the universe, think in terms of energy, frequency and vibration." -Nikola Tesla

Flight of the Starlings: Watch This Eerie but Beautiful Phenomenon (2:00) <u>https://www.youtube.com/watch?v=V4f 1 r80RY</u> National Geographic Nov 15, 2016

Starling Murmuration Otmoor RSPB (1:13) <u>https://www.youtube.com/watch?v=Q9f6cRNxpSs</u> Peter Alfrey Dec 13, 2016

> <u>From a distance</u>, the starlings perform <u>flowing swirling</u> movements. They spread out, then come back together. <u>Up close</u>, the starlings often <u>flutter</u> their wings just before they split up to perform the murmations. The pattern is flutter, then swirl, then flutter, then swirl. Not always, but often.

F19 Mouse Decomposition Maggots (3:16) <u>https://www.youtube.com/watch?v=AcBLwaBDGfI</u> Kim Parker Sep 2, 2016

> <u>Patterns</u> in a three-day period. Starting at the eyes, then the head, then the body. The group makes <u>flowing swirling</u> movements, then group <u>vibrations</u>, over and over again.

Mesmerising Mass Sheep Herding (1:37) https://www.youtube.com/watch?v=tDQw21ntR64 Caters Clips Feb 11, 2016

<u>From a distance, a flow pattern</u>. <u>Closer up, the local details are different at</u> <u>different places</u> in the herd. Some sheep are flowing in the same general direction. Some are stopping, some are changing direction. The local actions depend on the local effects (local inputs).

Watch: Fireflies Glowing in Sync to Attract Mates (2:29) <u>https://www.youtube.com/watch?v=0BOjTMkyfIA</u> National Geographic Sep 4, 2016

> *Example of synchronized group flashing, from 0:45 to 0:52. Same species, <u>same pattern</u>, <u>same frequency</u>.*

Insecta Spectra - YouTube (2:46) <u>https://www.youtube.com/watch?v=9CpEV9_JOv8</u> Robin Noorda Jul 21, 2013

> At <u>different frequencies</u>, the <u>patterns</u> seen on these flowers are different. The comparison shows what humans, butterflies, and bees will see.