

Swimming with Sharks – Joshua Corman

Warm-Up

1. *Have you ever done anything dangerous?*

Vocabulary

2. *Match the words with their definitions, explanations or synonyms.*

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| a) adversary – | 1) animal that hunts but is not hunted itself (only by humans) |
| b) apex predator – | 2) an animal that is hunted and killed by another animal |
| c) clarion call – | 3) a person who is opposed to the introduction of new working methods, especially new machines |
| d) fud – | 4) a small device that is put inside someone's chest in order to help the heart beat at the correct speed |
| e) Guy Fawkes – | 5) a very clear message or instruction about what action is needed |
| f) iconography – | 6) who tried to destroy the Houses of Parliament in 1605 but failed |
| g) Luddite – | 7) enemy |
| h) pacemaker – | 8) existing/happening before something else, or before a particular time |
| i) permeates – | 9) fear, uncertainty, and doubt |
| j) persistent – | 10) lasting for a long time or difficult to get rid of |
| k) prey – | 11) the practice of forcing someone to do something, particularly to perform sexual acts, by threatening to publish naked pictures of them or sexual information about them |
| l) prior – | 12) relating to rise and fall of the sea that happens twice every day |
| m) scour – | 13) remove dirt from something by rubbing it hard with something rough |
| n) sextortion – | 14) to spread through something and be present in every part of it |
| o) tidal – | 15) the use of images and symbols to represent ideas, or the particular images and symbols used in this way by a religious or political group, etc. |

Academic Skills Mechatronics

Comprehension

Watch the TED-Talk [Swimming with sharks - security in the internet of things: Joshua Corman at TEDxNaperville](#) and answer the questions below.

3. *Joshua Corman says: "Now in security we have this notion of you don't have to swim faster than the shark just faster than your buddy." Explain what he wants to express with this.*

4. *He adds that sharks also have buddies. Explain how this changes the situation.*

5. *Comment on how Joshua Corman describes his profession and his particular job.*

6. *Compare and contrast the two groups of hackers mentioned in the talk.*

7. *Comment on the comparison to a Pandora's box. Explain what it means. Do you agree with Joshua Corman? Why or why not?*

8. *Identify the devices that have been hacked to show their vulnerability. Evaluate the impact that this has on our everyday life.*

9. *Comment on Corman's statement, "If it's software, it's attackable and if it's connected, it's exposed."*

10. *Explain what the rugged manifesto is. Evaluate how useful this manifesto is.*