



## **Article Guide: Ridin’ Solo: Could we ever travel at lightspeed like the Millennium Falcon?**

<http://scienceovereverything.com/2018/05/24/millennium-falcon-lightspeed/>

### **Part 1: I’ve got a bad feeling about this: Constraints in hyperspace**

Directions:

- Read the section of the article titled “I’ve got a bad feeling about this: Constraints in hyperspace”
  - Box vocabulary words or words that you have not seen before
  - Underline in the text where the focus questions are addressed
- Answer each focus question

Focus questions

1. What is the problem with the amount of energy it would take to get the *Millennium Falcon* to go lightspeed?

---

---

2. Say you were to travel at the speed of light for a year. How would a person who is motionless experience time compared to you?

---

---

3. How are space and time related?

---

---

### **Part 2: Never tell me the odds! How we could, maybe, possibly, travel faster than light**

Directions:

- Read each understanding question
  - Think about what you would need to know to answer that question
- Read the section of the article titled “Never tell me the odds! How we could, maybe, possibly, travel faster than light”.
  - Box vocabulary words or words that you have not seen before
- Answer each understanding question

## Understanding questions

1. How could a wormhole allow for interstellar travel? Given your knowledge of the spacetime continuum, how would such a shortcut work?

---

---

---

2. If wormholes were made big enough for humans to travel through safely, how could we use this technology of things other than space travel?

---

---

---

## **Part 3: A bunch of mumbo jumbo?**

Directions:

- Read the section of the article titled “A bunch of mumbo jumbo?”
    - Box vocabulary words or words that you have not seen before
  - Discuss with a partner how you would address the extension questions.
    - Write a response to the extension questions
3. What potential technologies from *Star Wars* do you think would have the greatest impact on your life? Would it be a droid to help you around the house or a speeder to quickly get around? Write down 2 technologies from the *Star Wars* movies that you would like to see made, then research how close they are to being developed.

---

---

---

---

---

---

---

---