CCNA
Lesson: <mark>4/10/2020</mark>

Learning Targets:
- Understand the differences in processors and be able to identify them
- Understand the difference between hyper-threading & multithreading

Focus Questions:

- What are the differences between the four levels of cache memory?

- What is the biggest limitation of using a 32-bit processor?

- What factors should be considered when comparing the speed of computers?

- What are the benefits of using a smaller processor size during CPU manufacture?

- What is the difference between hyper-threading and multithreading?

- Under what circumstances might you choose to use throttling?

- What is virtualization? Which CPU features enable advanced virtualization support?

- Which components are used with a CPU to dissipate heat?

Learning Tasks:

- Navigate to TestOut.com & log on using your credentials
- Navigate to PCPro Chapter 3 System Components, Section 5 - Processors
- Review Vocabulary words for 3.5 before starting into Section
- Read Fact Sheets located in sections 3.5.2, 3.5.3, 3.5.4, 3.5.6
- Watch videos located in sections 3.5.1, 3.5.5,
- Complete Lab Sim located in section 3.5.7, 3.5.8
- Answer/Review Practice Questions located in section 3.5.9

Additional Practice:

- Using the internet, research different types of processors and the pros and cons of each

Total Time:

Time Breakdown:
- Videos = 18 Minutes
- Fact Sheets = 20 minutes
- Lab Simulation = 20 minutes
- Practice Questions = 12 minutes

Total Time = 70 minutes

Reference: [TestOut PC Pro Lesson Plan Doc](#)