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Orion

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The purpose of this project was to gather information of the Stars’ and objects in certain constellations. Using my favorite constellation, Orion, I learned the procedures to calculating and finding information on stars and how that information is important. This project not only taught me the distances and altitude of stars, but also things like their age, their time remaining, their year’s age, etc.

**List of stars**

1. Alnilam
2. Alnitak
3. Bellatrix
4. Betelgeuse
5. Meissa
6. Mintaka
7. Mizar
8. Alpheratz
9. Alcor
10. Saiph

**Mythology**

According to the mythology, Orion was a hunter who boasted about his skills. He claimed he could kill any beast with no problem. To show off Orion, a small scorpion stung him on his foot. Some say that this is how Orion dies.

Other versions of the story claim that Orion wasn’t sting, but was fleeing the scorpion in the ocean. There, he was greeted by Apollo. Apollo hated Orion so much for pursuing his sister Artemis that he hit her she could not hit the small object in the sea. Upon realizing what she had done, she put Orion’s image in the heavens for everyone to see.

Source: [https://www.denverlibrary.org/cwl/collections/orion_the_hunter](https://www.denverlibrary.org/cwl/collections/orion_the_hunter)

**Data Table**

Regarding the distances of the stars in Orion, they are not close to each other in space.

The two stars that could be considered close to each other are Alnitak (817,433) and Rigel (802,853). These stars are still 45,425 light years away from each other. Another example would be 38a and 38b of Star 93P. The distance of 20,542 light years, while the other has a distance of 23,260,003. This shows that even though they appear to be in the same region of space, they are quite a distance from each other.

**Artwork**