

# Space explorers

It is the year 12,019.

The quarkonium reactor has been stolen from the Intergalactic Space Station by the prominent alien bandit Teiluj. It is your mission to recover the reactor and save the humans.

Instructions:

- The side of each square in the map is 1 Parsec long (1pc).
- Follow each step that Teiluj took to escape, writing the end coordinates of each step.
- The coordinates of the Intergalactic Space Station are (0,0).
- When you determine Teiluj's final location, draw a vector to direct the Space Fleet towards him.

1. Teiluj was seen travelling at 0.25 pc/day to the North for 4 days:

(     ,     )

2. Teiluj then moved 5pc to the East over the course of 7 days:

(     ,     )

3. At this point, Teiluj realized that he was being chased, so he rapidly travelled north at 2.5 pc/day for 2 days:

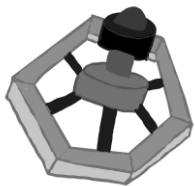
(     ,     )

4. To evade you, Teiluj travelled to the West at 1pc/day for 8 days.

(     ,     )

5. Finally, Teiluj went to his lair located  $3\sqrt{2}$  pc to the Southeast

(     ,     )



Intergalactic Space station



Supernova



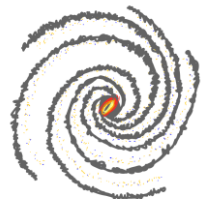
Neutron Star Collision



Pillars of Creation, Eagle Nebula



Black Hole



Milky Way Galaxy

