**Astronomy Worksheet**

 Two astronomical events have/are happening this week and today we are going to look more closely at each of them. To get started, go to the Grade 9 website **mclarenesjh.weebly.com** to find the 2 articles I have posted under today’s date. Each of these will contain most of the information required to answer the questions below. Please be sure to use full sentences when answering these questions.

**Double Asteroid Redirection Test (DART)**

1. What is an asteroid?
2. What does DART stand for?
3. What was the purpose of this project?
4. What was the **name** and **size** of the asteroid that DART was trying to redirect?
5. How far from Earth was the asteroid? How fast was DART travelling towards it?
6. Why do scientists prefer to just nudge the asteroid off track, rather than blow it up?
7. What distance from Earth do near Earth objects have to be to cause concern?
8. How long until we find out if the mission was successful in redirecting the asteroid?
9. The article states that while this impact test is important in protecting the Earth from future asteroid disasters, there is something equally as important that we need to also focus on. What is it?
10. How much did the project cost? Do you think research like this is worth that amount?

**Jupiter**

1. What makes viewing Jupiter so spectacular currently? When was the last time this happened?
2. What does the term opposition mean in terms of its use in this article? What makes this one extra special?
3. What is the furthest distance between Earth and Jupiter? The closest?
4. When is the next time this event will happen?
5. Where do you need to look to find Jupiter in the night sky?
6. Is it visible with the naked eye?
7. If viewed with binoculars or a telescope, what kind of detail might you see?
8. What are the names of Jupiter’s 4 brightest moons?
9. Will you be attempting to locate and view Jupiter tonight?