**Supervisor Interaction:**

The students will have started to research the topic on the Tuesday afternoon and should have some basic knowledge of the subject, as well as what is expected of them through the week (report, presentation behaviour etc.).

First Meeting: **Wednesday 9.40am**– introduce the project along with yourself to the student

Collect the report: **Thursday 4.00-4.30pm** – students are to hand in their reports to you, there must be no extensions - all reports must be collected by the end of Thursday.

Mark the reports: Please make sure that you mark all of the group reports (according to the mark schemes provided) by **2.00pm on Friday** so that we can collate the results before the oral presentations.

Mark the presentations: **Friday 2.45-4.00pm** Please come along promptly for the groups presentations on Friday, which we will all be marking as we go along (again the mark scheme will be provided).

Other visits: We ask that you please also check in on the students at least twice a day on the Wednesday and Thursday to ensure that the group are making progress and going down the right track.

Please note that Alison and Stacey will be around all week, if there are any issues with the groups please feel free to approach us with anything – or let us know if you are unable to check in on your group etc.

Sunspots:

The students have access to H alpha imaging of the Sun, complete with various sunspots, and are to use NSO software, LT Image (which they will have been trained to use), or equivalent, to track the transit of several sunspots across the surface. This may include looking at a sunspot near the equator and one closer to the poles.

They should then plot the data onto a graph to show the transit, and calculate the speed that the sunspot moves across the surface. By comparing the 2 they may investigate the differential rotation of the surface of the Sun.

During the 3 days they must also complete a report based on their analysis and a presentation (in powerpoint or equivalent). These must be completed by the end of Thursday and should include an introduction, outline of their project, outline of their results and conclusions – try to ensure they cover the following information: What is a sunspot? Are sunspots expected at any time? What does the structure of the Sun look like? How many sunspots did you analyse? How did they move across the surface? What was there speed? Etc.