**L.O.To be able to use and compare results to draw a conclusion.**

**L.O. To be able to make a further prediction.**

Last week you should have completed your line graph and now this week you are going to finish the investigation by recording a conclusion.

* The first thing that I would like you to do is just look at your line graph, what do you notice? Do the lines rise and fall in the same places? Is one line higher than the other? What is the information telling you?

* Next I would like you to find the difference between the average resting pulse or breathing rate (whichever one you chose to test) after 1 minute compared to your average pulse rate or breathing rate after the exercise in minute 3 e.g. if the resting pulse rate for the brisk walk was 72bpm and your pulse rate went up to 92bpm then the difference will be 20bpm. You will need to do this for both the brisk walk test and your chosen exercise.
* Which exercise created the greatest beats or breaths per minute? Which exercise caused the greatest rise in beats/breaths per minute? This information will help you support your ideas in the conclusion.
* It has been a while since you have written a conclusion so follow the success criteria carefully. Remember to use ‘er’ and ‘est’ words in your opening statement and then support this with quoting your results using the information that you have calculated above. Next look back at your planning, was your further prediction correct? Finally show off your scientific understanding by making links between the purpose and function of the heart and lungs.

**S.C**.

1. Have Looked at my results and created an opening statement e.g. The greater rate of movement (exercise) that I do the faster/slower the......... The smaller rate of movement that I make the …………

2. Have I commented on my results quoting examples to support my ideas (using the information that you calculated above)?

3. Have I referred back to my further prediction, was I correct or not? Why?

4. Have I explained (using scientific words) my results? e.g. My pulse rate increased during exercise because my blood was ..... My breathing rate increased because…

5. Have I decided whether my results support or refute the results found in the original investigation and can I make a further prediction to test?