Blog PROGRESS REPORT Weekly Total

/18

TERM 3 During the following class in Mathematics, Science and Technology you need to complete the following progress report and place on your BLOG.

1. **Group rolls and Evaluation of each students contribution (6 marks)**

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| --- | --- | --- | --- |
| **Student name** | **Title and description of students role.** | **Contribution to STEM project this week** | **Marks** |
| Aiden Sloots | Photographer/Recorder:   * Take images and videos * Record information for the group * Assist the group with anything they don’t understand. | This week I contributed to the group by:   * Assisting the other group members with their IntoScience activities. * Recorded videos and images of the parallel circuit’s practical task. * Constructed circuit diagrams and representations of the parallel circuits for group reference. | **2** |
| Ky  Broome | Thinker/Researcher:   * Thought out problems that occurred * Researched about any queries the group and I discovered. * Through doing this we were able to complete all of the challenges and activities given to us this week. | This week I contributed to the team by:   * Helping everyone with the IntoScience by giving the guys pointers about what they need to do. * Helped construct parallel and series circuits in some of the lesson activities. * Constructed circuit diagrams and representations of the parallel circuits for group reference. | **2** |
| Izaak Cerneaz | Manager/Leader: The role of the manager is to take on the responsibility of:   * getting the group organised * keeping the group on task * organising tasks into sub-tasks * making sure everyone has a chance to contribute | This week I contributed by:   * Ensuring that the circuits were made correctly. * Assisted the group with any problems on IntoScience * Recorded the amps and volts of the parallel circuits that were constructed | **2** |

1. **Identify what you have completed in class this week on the STEM Project. (6 marks)**

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| --- | --- | --- |
| **Describe TWO :**  Problems/difficulties you encountered this week.  (In Mathematics, Science/Technology/group work/resources) | The first challenge that I encountered this week is that I was unable to upload images of the diagrams that I constructed in class to my blog.  The second challenge that I faced was that the recordings of the ammeter and voltmeter in my parallel circuit were often going into the negative or jumping between numbers. | **Marks**  **2** |
| **Explain** for both problems:  What did you did to resolve this problem. | To solve the first problem, due to my inability to upload the images of the diagrams I constructed in class to the blog, I constructed the diagrams digitally so that they can be directly uploaded to the blog.  The negative readings became positive after switching the input and output plugs into the voltmeter or ammeter and the variable readings were fixed by deactivating the circuit at the power point. This reset our circuit and the readings returned to normal | **2** |
| **SKILLS Learnt**  **Describe two** new skill you have learnt this week in working on your STEM project. | The first skill I learnt this week is the ability to calculate voltage, current and resistance using Ohm’s Law. This is the law stating that Voltage (V) = Current (I) x Resistance (R), therefore implying that I = V/R and R = V/I.  The second skill I learnt is the ability to construct a parallel circuit and then measure the voltage and current at various points using both ammeters and voltmeters | **2** |

1. **Blog Presentation – Information and presentation of your BLOG. (6marks)**

Marks will be awarded for any of the following additions to your Blog this week.

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| **Blog Information** |  | **Mark** |
| Copies of individual /group work  Images/ Videos of your work/ Attempts to answers weekly Focus question | Stem Questions can be found on the blog along with images and videos. | **3** |
| ICT: Hyperlinks, User friendly blog/ Videos of group work/ Links to research | The Group Blogs:  <http://izaakstemblog.weebly.com/>  <http://kystemblog.weebly.com/>  [http://slootsstem.weebly.com/](http://slootsstem.weebly.com/week-three)  Series and Parallel Circuits:  <https://www.youtube.com/watch?v=TJhPBxrCOXk>  Two Switches, Two Lights circuit explained  <https://www.youtube.com/watch?v=GYZwsZUdOJ0>  Using the school electrical kits  <https://www.youtube.com/watch?v=vrSYLdIBuMk>  IntoScience  <http://intoscience.com/> | **3** |