|  |  |  |  |  |  |  |
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|  **Environmental Technology (2020)**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_School: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Entry number: \_\_\_\_\_\_ | **Absent****/Not Strong** | **Good** | **Very****good** | **Excel- lent** | **Mode-rator** | **Marks Possible** |
| Technological Knowledge & Capability | 0 - 3 | 4 - 5 | 6 - 7 | 8 - 10 |  |  |
| **Need or Opportunity identified*** need or opportunity identified
* research on current environmental technology and applications
* limitations of existing technology identified if appropriate
* impact of current technology on the environment
 |  |  |  |  |  | **10** |
| Technological Development | 0 - 5 | 6 - 10 | 11 - 15 | 16 - 20 |  |  |
| **Development of process or product**-  a range of concepts is generated & evaluated* comment made on appropriate environmental benefits on technological aspects
* appropriate materials used considering the environment
* ease of use commented on
* scoping of stakeholders has been carried out
* Environmental benefits identified and discussed
 |  |  |  |  |  | **20** |
| Technological Final Product | 0 - 3 | 4 - 5 | 6 - 7 | 8 - 10 |  |  |
| **Performance specifications*** specifications are listed and relate to end user potential for production or use
* safety concerns are addressed
* functioning prototype
* environmental benefits are evident through the use of the product
 |  |  |  |  |  | **10** |
| ***Innovation & originality**** evidence of advances over existing technology
* evidence of advantages for the environment
* evidence of originality & innovation
* evidence of independent development of the technological process e.g. coding of software/engineering the hardware

**Presentation of Product or process*** product/ functional model or photo of model presented
* Product clearly identifies environmental advantages from its use
* software programme and coding of the prototype present
 |  |  |  |  |  | **10** |
| Technological Evaluation | 0 - 5 | 6 - 10 | 11 - 15 | 16 - 20 |  |  |
| **Evaluation of Product or Process**-   evidence of  meeting performance goals-   potential for production commented on-   areas of  difficulty mentioned-   impact on stakeholders and the environment commented on |  |  |  |  |  | **20** |
| Visual Presentation | 0 - 3 | 4 - 5 | 6 - 7 | 8 - 10 |  |  |
| * layout has  impact and appeal
* text is clear, easy to read and follows a logical progression
* graphics, models, diagrams, photos, lettering etc enhance understanding
 |  |  |  |  |  | **10** |
| Log Book/Project Journal | 0 - 3 | 4 - 7 | 8 - 11 | 12 - 15 |  |  |
| * Dated entries tell the reader
* What did you do today?
* What questions were you trying to answer with that?
* Where did you look for information / who did you get help from?
* What did you find out?
* What do you think about it now and why?
 |  |  |  |  |  | **10** |
| Oral Presentation | 0 - 3 | 4 - 7 | 8 - 11 | 12 - 15 |  |  |
| Student responds well to oral questions such as* Why is your product important?
* How well does your product meet the need for it?
* How is your product from existing technology?
* How does your product impact the environment?
* What did you discover while developing your project?
* How did this impact your end product?
* What was the biggest challenge you had to overcome?
* If you were continuing with this project, what would you do now to make it even better?
 |  |  |  |  |  | **10** |
| **Total:****Creativity award -** write *Yes* under final score if judge thinks this project *should be considered* for this. This could be creativity and originality of topic; or creativity around presentation |  |  |  |  |  | **/100** |