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| --- | --- | --- | --- |
| **KS4 target direction** | **4** | **6** | **8(9)** |
| **Advanced** | Enrichment/extension – reaching, or part of, next pathway →  Features of work may include: | Enrichment/extension– reaching, or part of, next pathway →  Features of work may include: | Enrichment/extension  Features of work may include: |
| **Secure**    *Students must achieve competence in* ***all*** *statements before being judged ‘Secure’* | **Secure**  The student can:  **Design**  Design codes to make the car make basic manoeuvres    **Make**  Construct the car frame and electronics to make a working car      **Evaluate**  Look at how the robot is functioning and adapt code      **Technical knowledge**  Understand how electronic component works  **Homework**  Homework tasks must be complete. Has relevant information corresponding with the project | **Secure**  The student can:  **Design**  Design codes to make the car make complex manoeuvres      **Make**  Construct the car frame and electronics to make a working car        **Evaluate**  Look at how the robot is functioning and adapt code      **Technical knowledge**  Understand how electronic component works as well as basic coding commands        **Homework**  All homework tasks are completed to a good standard. | **Secure**  The student can:  **Design**  Design codes to make the car make complex manoeuvres to go round a designated route  **Make**  Construct the car frame and electronics to make a working car      **Evaluate**  Look at how the robot is functioning and adapt code.    **Technical knowledge**  Understand how electronic component works as well as coding commands and understanding how to use these commands to create detailed code    **Homework**  All homework tasks, are completed ain detail and the robot design shows understanding of the topic |
| **Developing** | Mostly secure – one or more gaps | Mostly secure – one or more gaps | Mostly secure – one or more gaps |
| **Beginning** | Significant gaps | Significant gaps | Significant gaps |