|  |  |  |  |
| --- | --- | --- | --- |
| **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/extensionFeatures 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 |