Criterion B: Developing ideas

Maximum: 8

Students develop a solution. At the end of year 5, students should be able to:

i. develop design specifications, which clearly states the success criteria for the design of a solution

ii. develop a range of feasible design ideas, which can be correctly interpreted by others

iii. present the chosen design and justify its selection

iv. develop accurate and detailed planning drawings/diagrams and outline the requirements for the creation of the chosen solution.

Achievement level	Level descriptor
0	The student does not reach a standard described by any of the descriptors below.
1–2	The student: i. **lists some basic** design specifications for the design of a solution ii. **presents one** design, which can be interpreted by others iii. **creates** incomplete planning drawings/diagrams.
3–4	The student: i. **lists some** design specifications, which relate to the success criteria for the design of a solution ii. **presents a few** feasible designs, using an appropriate medium(s) **or** annotation, which can be interpreted by others iii. **justifies** the selection of the chosen design with reference to the design specification iv. **creates** planning drawings/diagrams or **lists** requirements for the creation of the chosen solution.
5–6	The student: i. **develops** design specifications, which **outline** the success criteria for the design of a solution ii. **develops a range of** feasible design ideas, using an appropriate medium(s) **and** annotation, which can be interpreted by others iii. **presents** the chosen design and **justifies** its selection with reference to the design specification iv. **develops accurate** planning drawings/diagrams and **lists** requirements for the creation of the chosen solution.

Achievement level	Level descriptor
7–8	The student: i. **develops detailed** design specifications, which **explain** the success criteria for the design of a solution based on the analysis of the research ii. **develops a range of** feasible design ideas, using an appropriate medium(s) **and detailed** annotation, which can be **correctly** interpreted by others iii. **presents** the chosen design and **justifies fully and critically** its selection with **detailed** reference to the design specification iv. **develops accurate and detailed** planning drawings/diagrams and **outlines** requirements for the creation of the chosen solution.