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| Level 1 | Level 2 | Level 3 | Level 4 |
| Planning and materials list: based on initial success criteria |
| Created a diagram but the labels are missing or the diagram is impossible to build | Created a detailed and labelled diagram of the planter that may not be practical |  Created a labelled diagram of the planter | Created a detailed, practical, realizable and labelled diagram of the planter |
| Some of the materials needed | Most of the materials needed  | Most of the materials needed along with the estimated amount of each | All the materials needed along with the estimated amount of each |
| Explanation of forces and steps taken to ensure stability: submit a report with at least 3 paragraphs, one for each row of expectations |
| Incomplete explanation of forces included which represent:-internal-external-static and dynamic loads | Explanation of forces included which represent some of the following:-internal-external-static and dynamic loads | Explanation of forces included which represent:-internal-external-static and dynamic loads | Exceptional explanation of forces included which represent:-internal-external-static and dynamic loads |
| Identify 0-1 of the following in relation to the planter:-direction-magnitude-centre of gravity-design/ergonomics | Identify less than 3 of the following in relation to the planter:-direction-magnitude-centre of gravity-design/ergonomics | Identify 3 of the following in relation to the planter:-direction-magnitude-centre of gravity-design/ergonomics | Identify all of the following in relation to the planter:-direction-magnitude-centre of gravity-design/ergonomics |
| Indicate few steps taken to ensure stability | Indicate some steps taken to ensure stability | Indicate the steps taken to ensure stability | Clearly indicate the steps taken to ensure stability |
| Overall planter design: to be evaluated upon completion of the planter |
| Shows little care in construction; unattractive | Shows some care in construction; attractive | Shows great care in construction; attractive | Shows exceptional care in construction; attractive |
| Not very stable; impractical | Somewhat stable | Stable  | Stable and practical |