

Year 3, Summer Term Shell Structures



In year 3 our brief was to make shell structures to hold and transport plants.

First, we looked at different shell structures and discussed their properties and why they were effective.



We used different resources to make our own 3D shapes and realised that tabs are important to keep a secure 3D structure. We also discussed using different types of strengthening to make the shell structure secure.



We used corrugating and ribbing to strengthen the shell structures.



We discussed making our shell structures waterproof, in order to keep the plant secure. We investigated different materials to see if they were waterproof. We noticed that foil and tracing paper were.



We evaluated the corrugating, then created our own shell using a cuboid net. We added our corrugating to strengthen the shell and added foil around the net to make our structure waterproof. We realised that our net was too small, we decided that we would make a bigger shell structure next time.