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| **Subject: Land Based Studies** |
| **Year:10** |
| Half -Term | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Themes/Content/A can of a product  Description automatically generated with medium confidenceUnits covered | *Introduction to land use and management*A rainbow colored heart with arrows  Description automatically generatedRange of land- based industriesFarmers todayA drawing of a book  Description automatically generatedGovernment OrganisationsThe history of the agricultural revolutionThe right to roam.Environmental stewardshipA cartoon rocket ship with red and blue stripes  Description automatically generatedThe role of technology in the land - based sector | *General Agricultural science*Plant cells, tissues, and organsAnimal cells, tissues, and organsA purple and green masks with a sad face  Description automatically generatedSoil scienceMonogastric (human) digestive systemNutrition & deficiency diseasesFactors influencing the design of technologyA cartoon rocket ship with red and blue stripes  Description automatically generatedTechnology in animal production, health and welfare | *Dairy Farming in the UK*The dairy farming landscape.The calf-cycle and the cattle digestive systemThe Animal Welfare ActThe healthy cowFeeding the dairy cowHandling the dairy cowApplication of Technology across the different sectors Innovation in technologyA rainbow colored heart with arrows  Description automatically generatedPoultry farming homework project | *Cereal Farming in the UK*Arable farming landscapeThe process of plant growth to maturityA purple and green masks with a sad face  Description automatically generatedPreparing growing mediumsNutritional requirements of plantsA purple and green masks with a sad face  Description automatically generatedCare of plants for optimal growthTreatment of pests and disease in plantsApplication of technology in dairy farming | *Pig farming in the UK*The monogastric digestive system of the pig The healthy pigA purple and green masks with a sad face  Description automatically generatedHousing for pigsFeeding the Pig A rainbow colored heart with arrows  Description automatically generatedHusbandryCommon diseases, signs, prevention, and treatmentSheep farming homework project | *Land Use Project*Consider the different ways the school site could be usedPlan and pitch ideas for land use showing application of knowledge developed across the year.A purple and green masks with a sad face  Description automatically generatedA rainbow colored heart with arrows  Description automatically generated |