|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 industries  Farmers today  A drawing of a book  Description automatically generated  Government Organisations  The history of the agricultural revolution  The right to roam.  Environmental stewardship  A 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 organs  Animal cells, tissues, and organs  A purple and green masks with a sad face  Description automatically generated  Soil science  Monogastric (human) digestive system  Nutrition & deficiency diseases  Factors influencing the design of technology  A 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 system  The Animal Welfare Act  The healthy cow  Feeding the dairy cow  Handling the dairy cow    Application of Technology across the different sectors    Innovation in technology  A rainbow colored heart with arrows  Description automatically generated  Poultry farming homework project | *Cereal Farming in the UK*  Arable farming landscape  The process of plant growth to maturity  A purple and green masks with a sad face  Description automatically generatedPreparing growing mediums  Nutritional requirements of plants    A purple and green masks with a sad face  Description automatically generatedCare of plants for optimal growth  Treatment of pests and disease in plants  Application of technology in dairy farming | *Pig farming in the UK*  The monogastric digestive system of the pig  The healthy pig  A purple and green masks with a sad face  Description automatically generatedHousing for pigs  Feeding the Pig  A rainbow colored heart with arrows  Description automatically generated  Husbandry  Common diseases, signs, prevention, and treatment  Sheep farming homework project | *Land Use Project*  Consider the different ways the school site could be used  Plan 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 |