Pontarddulais Primary School

Everyone is important, everyone is unique and everyone deserve the very best

Year 6 Learning Projects

Year 6 Project: Sustainability – Energy and our sustainable world

Project Overview: Sustainability – Energy and our sustainable world
During the Spring Term Year 6 pupils will be exploring the concept of Sustainability. Within this theme we will be exploring how human actions and economic development have affected the environment in Swansea, Wales and the wider world and also the renewable energies that are being developed to support this.
Whilst our theme will be driven by the Science and Technology, Humanities and Expressive Arts areas of learning and experience, we will where purposeful, make links with other areas of learning and experiences.

The Year 6 pupils will be involved in the planning of our theme and will make decisions about how and what they learn. However the skills, knowledge and experiences will include the following:

Health and well-being	Language, Literacy and Communication	Mathematics and Numeracy	Humanities	Expressive Arts	Science and Technology
We will be developing our skills in: **PE – Invasion Games & Net/Wall games:** We will have the opportunities to develop our defence and attack skills as well as our coordination and cooperation skills through games such as netball, basketball and dodgeball. **Physical and emotional health:** We will continue to learn about the benefits of communicating our feelings and how to help	We will be developing our skills in: **Writing:** Working on our writing accuracy with improved spelling, punctuation and grammar Writing in different ways focusing on narrative and persuasive texts **Spelling:** We will be introducing our new spelling scheme 'Superhero Spelling.' Spellings will be sent home on a weekly basis. **Reading:**	We will be developing our skills in: Negative numbers, fractions decimals and percentages, ratio and proportion as well as exploring data handling and shape, space and measures skills. Where possible these skills will be taught in the context of our theme work. Using our **numeracy skills** when exploring our theme of Sustainability using relevant data.	We will be developing our skills in: **Sustainability:** Understanding the concept of Sustainability. Carrying out enquiries to explore damage to people and the environment, economic changes and impacts both past and present on the local area Considering ways in which we can help to be sustainable by making personal and collective choices such as carbon footprint, technology and food miles.	We will be developing our skills in: **Music:** Improving our skills in playing Toots Understanding how an orchestra works and creating our own digital music **Printing:** Exploring and developing our print making skills using a range of techniques and tools to create art.	We will be developing our skills in: **Energy and magnets** Understanding what energy is and how it changes from one form to the other. Exploring different energy systems and their links to renewable energy sources Understanding electrical circuits and magnets

promote positive mental health and emotional well-being We will explore the importance of asking for help in order to empower ourselves and keep ourselves safe **RSE** We will continue to explore relationships and identity and to consider who we are, our beliefs and what is important to us. We will also explore being safe online, body image and influences.	We will continue to develop our reading behaviour strategies using a range of texts linked to our theme and interests. **Oracy – speaking and listening:** We will be continuing to develop our ability to actively listen, discuss, debate and present issues and ideas **Welsh Language Development:** We will focus on reading, writing and speaking about 3rd person and past tense sentence patterns		Considering the impact of our actions and the actions of others when making choices, e.g. fly-tipping rubbish at the park or taking it to the local tip		**Enquiry:** We will conduct a range of scientific investigation making predictions and reflecting own our findings linked to questions we will ask