

All sessions will be delivered by Joe Dunne, TVA's Heritage & Environment Officer. Joe has an MSc in Managing the Environment, a degree in Fine Art and many years experience working with environmental and conservation organisations both in the UK and abroad delivering environment and outdoor education.



TVA can also work with you to devise other environmental learning projects - just give us a call.

TVA works in partnership with key environmental organisations such as the Environment Agency, Tees Valley Wildlife Trust, RSPB, North East Community Forest, Groundwork, Natural England and Middlesbrough Environment City.



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Heritage & Environment Programme for Key Stages 3 & 4



National Curriculum Based Environmental Learning Through The Arts



All sessions will produce material suitable for display and/or use as a future teaching resource and will provide information and an engaging means for learners to explore issues related to Sustainable / Eco-schools.

Activity 5 – Biodiversity

Learners will explore what biodiversity is, why it is important, and what is putting it under threat through enjoyable, creative learning using both 2D and 3D visual art and an interactive participatory game. Food webs and issues related to climate change, biofuels and monocropping will also be discussed.

This activity could be extended to include fieldwork investigations.

National Curriculum KS3		
Science	Geography	Art & Design
1, 2, 3.4a,b, 4	1.4, 1.5, 1.6, 3, 4a,b,f,g,h,l	1.1, 1.2, 1.4, 2.1, 2.2, 3, 4
National Curriculum KS4		
Science	Geography	Art & Design
1, 2, 3, 4, 5a,b, 8a	will also be supported	

Activity 6 – Energy & Climate Change

Learners will investigate issues related to climate change and carbon footprints through a combination of practical experiments into energy used by household appliances and research using published data. These issues, sustainable living, and results of the experiments will be explored, discussed and presented through creative learning, using informative and informal visual art forms such as drawing, painting, and collage to produce large interpretation material.

National Curriculum KS3			
Science	Mathematics	Geography	Art & Design
1, 2, 3.1, 3.4c, 4	1.1, 1.2, 1.3a,b,d, 1.4, 2.1, 2.2, 2.3a,b,c, 2.4a,b,c, 3.3a,d, 4d,f,g	1.5, 1.6, 3, 4a,b,f,g,h,l	1.1, 1.2, 1.3a, 1.4, 2.1, 2.2, 3, 4
National Curriculum KS4			
Science	Mathematics	Geography	Art & Design
1, 2, 3, 4, 7a,b, 8	1, 2, 3.3, 4	will also be supported	

Activity 7 – Low-carbon Food

Learners will create a storyboard using photography, animation and drawing to investigate the subject of low-carbon food, embedded energy in different foods, and the impacts that different foods have on the environment.

This interactive and enjoyable session could also include an outline comparison of the effects of 'healthy' and 'less healthy' foods on those of us that eat them - if required.

National Curriculum KS3			
Art & Design	Design & Technology	Science	Geography
covering all objectives	Unit 7A(i) Understanding materials, Unit 8A(i) Exploring materials, Unit 9A(i) Selecting materials	1.1, 1.2, 1.4, 2.2b, 2.3, 3.4c, 4	1.4, 1.5, 1.6, 3, 4a,b,f,g,h,i
National Curriculum KS4			
Science	Geography	Art & Design	
1, 3, 4, 8a	will also be supported		

Activity 8 – Renewable Energy & Climate Change

Expressive visual arts and discussion/debate will be used to investigate and explore issues surrounding renewable energy, low-carbon living, global warming and climate change; and to focus on the effects of global warming on the Tees Valley. Elements of renewable energy such as movement and forces that create renewable energy will be explored through less structured and looser 2D techniques.

National Curriculum KS3		
Science	Geography	Art & Design
1.2, 1.3, 1.4, 3.1, 3.4c, 4	1.5, 1.6, 3, 4a,b,f,g,h,i	1.1, 1.2, 1.4, 2, 3, 4
National Curriculum KS4		
Science	Geography	Art & Design
1c,d, 4b,c 7a,b, 8a	will also be supported	

