

Autumn Curriculum

Create a varied learning experience for your pupils on a day trip to the beautiful Dumfries House Estate or choose programmes which link-up, exploring similar areas of the curriculum from a different perspective. Each of our workshops lasts for 90 minutes and groups can take part in up to two experiences in a day (subject to availability). Some groups may choose a 'Free-time' option, and elect to spend time enjoying the rich and varied outdoors that the Dumfries House Estate has to offer.

Our Education Centres



Pierburg Education Centre



Pupils will gain an introduction to gardening, food production and the use of fresh produce as a link to healthy eating, by visiting our dedicated cooking classroom, potting shed and summer house. Experiential learning will take place in our one-acre organic vegetable garden. A wide range of activities are available which promote and foster a respect for nature and the environment.



Morphy Richards Engineering Education Centre



Imagine, design, build and test solutions to real world problems. Apply STEM skills and knowledge in our inspiring children's workshop and enjoy our engineering and scientific enquiry play-park themed around the natural elements, Water, Air, Earth and Fire. An insight into the exciting and valued career choices open to young people with continued study of the STEM subjects.



Valentin's Farm



Our dedicated Children's Education Farm, classroom and barn facility allows pupils to meet the animals, learn about how our farmer cares for them and the importance of these animals in our daily lives from the food we eat to the clothes we wear. Children can learn about food production, the environment, and animal lifecycles and how our wool is processed from fleece to fabric. All visits to the Farm include a Farm Tour.



Tamar Manoukian Outdoor Centre











Our purpose built Residential Centre and Sports Hall with indoor climbing facility, deliver both residential and one-day workshops for outdoor education and sports and fitness programmes for all. Visiting groups can choose from archery, teambuilding, climbing, geocaching and bush-craft. (Residential enquiries can be made via Education@dumfries-house.org.uk)

Programme Selection

OUR ENVIRONMENT (All outdoor activities)

C	Activity	Level	Centre	Curriculum links
P01	Tree-mendous Walk	L1, L2		SCN 1-02a, 2-01a, 2-02b, EXA2-02a, 2-03a, 2-05a, MNU 2-03a, MNU 2-11b, MNU 2-11c
Enjoy a woodland walk and discover some of the wonderful trees on the estate and some of the creatures that live there. Learn how to recognise different trees from their leaves and bark. Using maths skills, how can we work out tree height and age. (L2 Programme)				
P02	Our Diverse World	L2		SCN 2-01a
The diversity of plant life exists for many reasons. Find out more by exploring the diversity within our garden, with a focus on vegetables				
E01	Amazing Air	L0, L1		SCN 1-04a, SOC 1-12a, TCH 1-02a, 1-06a, 1-07a
Find out how the movement of air affects our everyday life, exploring wind and weather and its impacts in design and engineering.				
E02	Engin-AIR	L2, L3		MNU 2-20a, 2-20b, 3-20a, 3-04a, MTH 3-14a, 3-20b, 2-21a, 3-21a, SCN 2-01a, 3-01a, 2-02b, 3-02a, 3-05b, 2-20b, SOC 2-08a, 3-08a
Let nature teach you about the air we breathe as you discover plants and animals called bio-indicators that help us to measure air quality. Carry out an air quality survey on the estate and think about how we can use what we learn to help tackle air pollution.				
E03	Science Safari	L2, L3		HWB 2-23a, 3-23a, 2-25a, 3-25a, SCN 2-02b, 3-02a, SOC 2-10a, 3-10a, 3-14a. Various SCN
Using GPS technology – find your way around the Estate on our science linked geocache trail. Discover the hidden caches to solve some physics/math's linked nature challenges. Combine with another engineering activity, subject to availability.				
T01	Shelter Safari	L1		SCN 1-02a, 2-01a, 1-15a, HWB 1-23a, MTH 1-17a, SOC 1-14a
Discover the natural wildlife of the Estate and the animal habitats you might find as you navigate, using a map to lead you to their locations. Can you match the correct animal to its type of home?				
T02	Shelter Building	L2, L3		HWB 2-16a, 3-16a, MTH 2-16a, SOC 2-08a, 3-08a, 2-13a, 2-13a
Learn how to build your very own Outdoor Shelter using only the natural resources of the wilderness. Discover how natural materials inspired the materials we have developed to create the type of home you live in.				

OUR FOOD

	Activity	Level	Centre	Curriculum links
P03	The Seasonal Garden	L0, L1, L2		SCN 1-02a, HWB 1-33a, HWB 1-35a, SCN 2-01a, HWB 2-33a, 2-35a
What is seasonality? What's growing in our garden at this time of year – can you identify the different vegetables? Help in our garden with a job of the day and discuss the benefits of sourcing local, seasonal produce.				
P04	Ready, Steady, Cook	L1, L2		HWB 1-29a, HWB 1-30a, HWB 1-30b HWB 1-33a, HWB 1-35a, TCH 1-04a, HWB 2-29a, 2-35a, TCH 2-04a
Where does food come from? Ready, steady, cook - harvest vegetables from our garden and prepare a tasty seasonal dish.				
P05	Halloween Harvest (23 rd , 24 th , 25 th , 30, 31 st Oct)	L1, L2		HWB 1-29a, HWB 1-30a, HWB 1-30b, HWB 1-35a, TCH 1-04a, HWB 2-29a, 2-35a, TCH 2-04a
Join us at the Pierburg for lots of Halloween themed activities including a spooky scavenger hunt and making pumpkin soup.				
F01	Down on the Farm	L0		HWB 2-33a, HWB 2-35a, TCH 2-04b
Meet the animals on our specially adapted farm tour for little ones and help our farmer with a job of the day. Get craft daft with some help from our woolly farm friends.				
F02	Eggs-cellent*	L1, L2		SCN 2-14a, HWB2-33a, HWB -2-34a, HWB 2-35a
Meet the animals (particularly poultry) and learn about their needs on a farm tour. Workshop focused on the importance of eggs for food and why incubation is important. How long does it take for a chick to hatch? Learn about its development inside the egg.				
F03	Follow the Herd (Beef & Dairy)	L1, L2		HWB 1-30a, HWB 1-35a, HWB 2-32a, HWB 2-35a , HWB 2-36a,
Learn about the production of milk and beef from cattle. Hands on milking with Rosie, our life size Ayrshire milking cow model. Learn about the nutritional value of meat, milk and dairy products and find out more about traceability and food miles (L2).				
F04	Senses on the Farm	L1		SCN 1-12a, SCN 1-12b
Do animals have senses? Are these the same as ours? Consider how people and animals use their senses to become aware of the world around them.				
F05	A Year on the Farm	L2		HWB 2-35a , SCN 2- 14a
Gain an insight into the variety of tasks that need to be carried out on the farm and how the farming year is dictated by the seasons. Have a go at a fun seasonal task.				

OUR FUTURE

	Activity	Level	Centre	Curriculum I nks
P06	Little Bean Sprouts	L0		SCN 0-01a, SCN 0-03a, HWB 0-30a, HWB 0-33a, HWB 0-35a
Where does food come from? Join us on a vegetable scavenger hunt, green-fingered stories from our summer house and plant your own bean to take home and care for.				
P07	Plant Science	L1, L2		SCN 1-02a, SCN 1-03a, HWB 1-35a, SCN 2-01a, SCN2-02b
What do plants need to grow? Find out and plant a vegetable seed of your own. Find out more about compost. For L2 - Set up an experiment to compare the growth of plants under different conditions, and continue back in your classroom. Learn how to make your own compost.				
P08	Exploring Our Senses	L1, L2		SCN 1-12b, SCN 2-02b
Sight, smell, sound, touch and taste. Catch children's imagination in the garden with our sensory workshop and take part in a sensory craft activity.				
P09	Feed your Soil – the use of fertilisers	L2		SCN 2-09a, TCH 2-12a, TCH2-09a
What is a fertiliser and what does it do? Make your own natural fertiliser. P7 classes only – must be chosen with Plant Science topic.				
F06	Woolly Workshop	L1, L2		HWB 1-33a, 1-35a, TCH 1-04b, SOC 1-09a, HWB 2-33a, HWB 2-35a, TCH 2-04b
Meet the animals on our farm tour and help our farmer with a job of the day. Learn about the production of wool from fleece to fibre in our barn workshop, and then get craft daft with a hands on woolly activity - including processes such as carding, spinning, weaving and felting.				
E04	Simple Circuits	L1(P4 only), L2		SCN 1-09, TCH 1-05a, TCH 1-10a
Introduction to electricity and energy changes, conductors and insulators. Have a go at making an electronic games controller.				
E05	Shoot to the Moon	L0, L1 (P2 only)		SCN 0-06a, SCN 0-07
Blast off into space and find out about the forces and shapes involved in making rockets soar through the sky.				
E06	Sounds like Fun	L1 (P3-4 only)		SCN 1-11a, TCH 1-09a
How are sounds made? What's the difference between high and low, loud and quiet? What can sound travel through? Experiment and make a musical instrument to make sure you are pitch perfect.				
E07	Creative Circuits	L2, L3		SCN 2-09a, 3-09a, TCH 2-10a, TCH 2-09a, TCH 2-12a
Using everyone's favourite building blocks and Makey Makey technology ,create a musical instrument or games controller with some creative circuits.				
E08	Everyday Engineering	L2, L3		SCN 2-08b, TCH 2-12a, TCH 2-09a, 3-05a, 3-09a
Engineering is all around. Working as an electrical engineer – design, build and test a home appliance and clean up for success.				
E09	Up, Up and Away	L2, L3		SCN 2-07a, 3-07a, TCH 2-01a, TCH 2-12a,2-12b, TCN 2-14a, b
Explore forces and materials in order to make that glider fly.				
E010	Find it with GPS	L2, L3		SCN 2-02b, SCN 2-01a, TCH 2-12a, 3-05a, MTH 2-17c, 3-17b
How does GPS work and what are applications – now and in the future? Use maths and physics skills to pin point your location.				
T03	The Ascent	L2 (P6+), L3		HWB 2-11a, 14a, 2-22a, 23a, 25a, 3-25a
Reach new heights with our Indoor Climbing Programme. Plan your route and find solutions as you climb. Build confidence and learn a life-long skill.				
T04	Count on us	L2 (P6+), L3		HWB 2-11a, 14a, 16a, 22a, 23a, 25a, 26a, 3-11a, 14a, 16a, 22a, 23a 3-25a, 3-26a
Building strong teams - resilience outcome based ,team building activities for the whole class using the Dumfries House outdoor assault course. Individuals can be strong, but when you work together as a team, see how much more you can achieve.				

Autumn Programme - Centre Availability

	One Centre	Two Centre
Tuesdays	Pierburg	
Tuesdays	Outdoor Centre	
Tuesdays		STEM and Farm
Wednesdays	STEM	
Wednesdays	Pierburg	
Wednesdays		Farm and Outdoor Centre
Thursdays	STEM	
Thursdays	Pierburg	
Thursdays	Valentin's Farm	
Thursdays	Outdoor Centre	
Fridays		STEM and Outdoor Centre
Fridays		Pierburg and Farm

Please note:

L0 = Early Level (P1 only)

L1 = Level 1 (P2-4)

L2 = Level 2 (P5-P7)

L3 = Level 3 (S1-2)

All school day visits should be booked through Eventbrite using the link below:

<https://www.eventbrite.co.uk/o/education-department-dumfries-house-estate-part-of-the-princes-foundation-17476330929>

For assistance with booking, or for any other queries, please contact:

Education@dumfries-house.org.uk

Useful phone numbers:

Dumfries House Education Department	01290 429 918
Dumfries House Reception	01290 425 959

Bespoke Secondary School Programmes:

- **Horticulture**

We are the only Centre in Scotland to offer the Royal Horticulture Society Level 1 qualification. This qualification requires attendance one day per week for twenty six weeks and participants will gain a six credit qualification in Horticulture Skills. The activity is ideal for those who wish to develop vocational and practical skills and enjoy being outdoors. Each day is structured to allow travel time to and from school with a 10am start and 2pm finish. Participants will spend most of the time learning their skills in a dedicated area of Estate garden, working with our RHS trainer and experienced team of gardeners. On completion of the programme, participants will be able to pursue a variety of career opportunities or further study. Minimum class size 6. (Prices on request.)



- **Hospitality**

Through The Prince's Trust, our Belling Cook School currently runs Get Into Hospitality Programmes for young people aged 16 -24. In addition, we have developed half day and one day programmes, suitable for S2 and above, to inspire them and assist with career choices. These programmes run by request on either a Monday or Tuesday, depending on availability.

Half day programmes options: 2 hours 30 mins 10am till 12.30pm

Price per class £240 (£20 per pupil, minimum 12 pupils):

Bread Making

A Healthy Meal on a Budget

Food Presentation (e.g. fine dining presentation skills)

Cupcake Making (£18.50 per pupil, minimum 6 pupils)



Full Day Programme: 3 hours 30 mins + lunch break 10am till 2pm

Price per Class £360 (£30 per pupil, minimum 12 pupils)

Garden produce pizza (Linked to Pierburg Education Garden as a whole day programme)

- **Future Textiles**

The Future Textiles Atelier Programme is aimed at developing sewing and textile skills for those in secondary school, aged 12 – 18, to assist with career choices and to develop an awareness of the industry. Programmes are based on day workshops with entry level programmes for S1/2 to foster an interest in more complex workshops for those undertaking a relevant textile or art qualification. A package of five workshops, known as Future 30, is available as an additional qualification, leading to the SQA *Introduction to Sewing Unit* at Level 5. All participants will make a product in a day regardless of entry level. These products are ideal to batch make for an enterprise project in school or to highlight to family or career influencers the pupil's interest in this area.

Please email direct: futuretextiles@clydecollege.ac.uk

The Atelier is situated within Dumfries House



Planning your visit to Dumfries House - Information for Teachers

- Class teachers are encouraged to visit the Estate prior to their class visit
- Although we are fully risk assessed, schools are expected to prepare their own risk assessment
- All Dumfries House Education Instructors are PVG checked
- Education staff are First Aid trained however it is advised that visiting schools also bring a First Aider with them
- All pupils and accompanying staff should bring appropriate footwear, a warm base layer and a waterproof jacket
- A snack and a packed lunch should be brought by all pupils
- All programmes start at 10am and finish at 2pm (lunch at approximately 12noon)
- Maximum class size is 30 although this may vary depending on the activity chosen – always confirm numbers with the Education Department prior to your visit
- Dumfries House staff in each of the Centres will run the education programmes however the participation of your staff is essential to the success of their delivery
- Accompanying teachers are responsible for the behaviour of their pupils at all times
- Within the Estate there is a café serving hot food and snacks, a restaurant and a Visitors Centre
- Toilets are located within each of the education centres. In addition, there are toilets at the café and behind the Visitors Centre
- **Please note that, for all visits to Valentin's Farm, teachers MUST read the Industry Code of Practice, Advice to teachers and others, on the link below:**

<https://www.visitmyfarm.org/component/k2/339-industry-code-of-practice/339-industry-code-of-practice>

Transport:

Arrangements for schools arriving by Dumfries House minibus:

- Schools arriving by Dumfries House minibus will be taken directly to the education centre(s). The minibus(es) will then be made available to transfer pupils between education centres as required

Arrangements for schools with their own transport:

- Engineering Centre – bus(es) to arrive in the Main Car Park and the group will walk to the Engineering Centre
- Pierburg Education Centre – bus(es) to arrive at the Centre from the Barony Road using postcode KA18 2LL. After dropping pupils off, the bus(es) should exit the Estate and re-enter, using postcode KA18 2NJ to access the Main Car Park
- Valentin's Farm Education Centre – bus(es) to arrive at the Centre from the Barony Road using postcode KA18 2LL. After dropping pupils off, the bus(es) should exit the Estate and re-enter, using postcode KA18 2NJ to access the Main Car Park
- Engineering Centre and Pierburg – bus(es) to arrive in the Main Car Park and the group will walk down to the Engineering Centre where they will be divided into two groups. Pierburg Education Centre group will be transported to and from the centre by Dumfries House minibus
- Engineering Centre and Farm – bus(es) should arrive in the Main Car Park before walking down to the Engineering Centre where they will be divided into two groups. Valentin's Farm Education Centre group will be transported to and from the centre by Dumfries House minibus
- Pierburg Education Centre and Valentin's Farm Education Centre – bus(es) to arrive at the Pierburg Education Centre from the Barony Road using postcode KA18 2LL. After dropping pupils off, the bus(es) should exit the Estate and re-enter, using postcode KA18 2NJ to access the Main Car Park. The pupils will be divided into two groups. Valentin's Farm Education Centre group will be transported to and from the Centre by Dumfries House minibus

Please ensure your bus driver knows that the pick-up point at the end of your visit will be where the drop off point was in the morning. The bus should be ready to leave at 2pm.

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