

Key Subjects:	Geography, Design and Technology
Venue:	Lee Valley VeloPark
Programme Length:	2 hours

SESSION AIM

To provide a unique opportunity to explore the regenerated Lee Valley VeloPark, compare and contrast the regenerated landscape with the surrounding area and understand how the park is creating a lasting legacy for Londoners after the London 2012 Olympic and Paralympic Games.

To explore the Lee Valley VeloPark's velodrome as a design icon and use it as inspiration for students' own design projects.

To observe cyclists and visitors to the Lee Valley VeloPark, consider their needs as a customer group.

ACTIVITIES

Welcome and introduction to the programme

- ❖ Safety talk, including appropriate behaviour
- ❖ Summary of programme
- ❖ Distribution of equipment (clipboard, pencil, activity sheets)

Lee Valley VeloPark panorama

- ❖ Make labelled sketches of the view from the Lee Valley VeloPark
- ❖ Identify differences between the Lee Valley VeloPark and the surrounding area
- ❖ Identify London landmarks

Velodrome design observation challenge

- ❖ Introduction to the velodrome
- ❖ Tour of the VeloPark
- ❖ Make sketches and design observations of the velodrome's structure
- ❖ create a short video to consolidate students learning

SAFETY All activities and sites are risk assessed. All Lee Valley Regional Park teaching staff carry mobile phones and first aid kits. Groups should follow their ratio guidelines. We provide a copy of our safety rules for teachers to discuss with students prior to visit. Further H&S information is available at visitleevalley.org.uk/outdoor-learning

ASSESSMENT Open-ended questioning, ongoing peer discussion, sharing experiences, investigating results, predictions and plenary sessions.

CLOTHING AND BAGS Appropriate outdoor clothing e.g. waterproofs, suitable footwear, sun cream and hat. It is recommended that hands free bags are brought to carry lunch etc.

LEARNING OUTCOMES

Most students will be able to:

Geography

- ❖ Explain the meaning of 'regeneration' and 'legacy'
- ❖ Make records of their observations
- ❖ Describe the Lee Valley VeloPark as a geographical place and express their ideas creatively
- ❖ List some differences between a regenerated urban space and the surrounding area
- ❖ Make links between a place and major landmarks nearby

Design & Technology

- ❖ Make design observations of materials used, form, shapes and spaces, symmetry etc.
- ❖ Describe the impact of a design on its users
- ❖ Observe customers and describe some of their needs

RESOURCES All required resources and equipment are provided.

BEHAVIOUR Teachers are responsible for good behaviour throughout their visit including lunchtime supervision.

POST VISIT Pupils can send their trip inspired letters, poems, pictures and environmental pledges to learning@leevalleypark.org.uk
A selection will be displayed online at visitleevalley.org.uk/outdoor-learning

WASTE AND RECYLING Please see our website regarding lunch waste and our recycling policies.

IDEAS FOR PREPARATION WORK

Geography

Find the River Lee on a map. Help students interpret the map to find out about the shape of a low-level river valley.

Discuss what kind of landscape students might expect to find: will it be hilly, or flat, for example?

What kinds of landscape surround the site? Is it countryside, housing, or used commercially?

The Lee Valley VeloPark was built on a site used for waste.

Discuss how a large city like London creates a lot of household and commercial waste.

What do students think happens to this? Ask students to research what a large urban waste tip looks like and what it might be like to visit one.

Ask students to explain how an area can fall into disuse as changes occur in how people settle in and use a landscape. What changes do they think might have occurred in and around the Lee Valley?

Discuss the term 'regeneration'. Who might benefit from regenerating a site like the Lee Valley? What might these groups want to happen as part of a regeneration scheme, and how might their lives be improved by it?

Find the Lee Valley VeloPark on a map (the velodrome is located at grid reference TQ 377 853).

Design & Technology

Review students' design vocabulary and create a word list for describing a designed product or building.

Discuss or research what someone might need in order to be comfortable when they go for a cycle ride. What clothes might they wear and what features might these clothes need to have?

Students could research the clothing worn by competitors at the London 2012 Olympic and Paralympic Games and compare their ideas.

Explore how much energy someone might use on a cycle ride. What sort of foods might make a good snack for a cyclist, and why? What sorts of foods might not be a good idea? Again, students could research what elite cyclists eat during training and events.

IDEAS FOR FOLLOW- UP WORK

Geography

Students can:

Print their photos and use these along with their sketches to create their Lee Valley VeloPark panorama, adding labels to show each landmark.

Research each landmark building to find out more about its materials, design and use.

Create a poster or display to explain how the regeneration of the Lee Valley VeloPark has improved the area for residents.

Review their ideas for what it feels like to visit the regenerated Lee Valley VeloPark and write a postcard, poem, story of their visit or other creative piece of writing to capture their feelings.

Create a leaflet or poster to promote the benefits of the Lee Valley VeloPark to a specific visitor group, such as young people, families or cyclists.

Use string or wool with pins or stickers to plot the countries that competed in the London 2012 Olympic and Paralympic Games in the velodrome, linking each one to London on a map.

Design & Technology

Students can

Develop their product ideas, creating a design sketch, prototype or 'sales' presentation.

Create a labelled poster of the velodrome, using their design vocabulary to explain its form and materials and how it fits into the Lee Valley VeloPark landscape.

Present their sketches and photos as a montage or visual collage of the velodrome.

Design a playground shelter for your school, based on the velodrome.

To book or discuss this programme please contact Learning and Engagement on

03000 030 618 or email learning@leevalleypark.org.uk

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