

Case Study

North West Community Campus - Dumfries & Galloway



North West Community Campus is an educational facility and community hub in Lochside, Dumfries. The campus brings together a number of local schools and opened to staff and pupils in August 2018.

The single building incorporates all of the required facilities for nursery, primary and secondary education with the fundamental aim to help ease the transition process for pupils throughout their education as they progress through the different levels.

The campus also provides a comprehensive range of facilities available for the local community to access.

Caledonia Play were approached to design, build and install a large selection of products for the outdoor space including seating and sensory areas. The brief was to incorporate various elements which would facilitate different forms of play and activities and be suitable for broad age range with a mix of challenges.

Working carefully with on-site installation teams from other construction firms Caledonia Play delivered on time and on budget.



Outdoor classroom with bubble fountain feature / Embankment slide



Pergola / Timber barriers



Perspex viewing dome / Pergolas with seating



Rustic seating stumps

Caledonia Play installed the following:

Playground Furniture and Fixtures

Outdoor classroom - machine rounded 14cm Ø timber curved structure bolted and concreted into the ground, bitumen sleeves fitted. Internal seating is mounted onto the timber structure, all manufactured using pressure treated softwood.

Embankment slide - constructed from quality stainless steel 1.45m x 0.5m mounted on concrete.

Timber barriers - various sizes and diameters with bitumen sleeves fitted at ground level.

Perspex viewing dome - 600mm Ø perspex viewing window.

Storage box for loose materials incorporating raised decking with side and back walls 1.3m high.

Double and single pergolas - constructed with dressed and treated C24 timber. The pergolas are fitted with galvanised steel metal extension legs for durability.

Rustic seating stumps - solid, machine rounded 250mm Ø timbers with bitumen sleeves fitted at ground level to prevent rot, fixed in a circular formation at varying heights and with chamfered tops.

Easy access wooden cold frame and potting table - constructed with square sawn & dressed and which pressure treated, Standing at 0.7m high, they are fitted with central cold frame unit.

Perching boxes of various sizes - using 32mm softwood decking and internal frame of dressed C24 material and diagonal bracers, all timbers pressure treated and stained. Finished and assembled with quality galvanised steel screws and fixings.



Timber barriers / perching boxes



Timber barriers with seating / Storage box



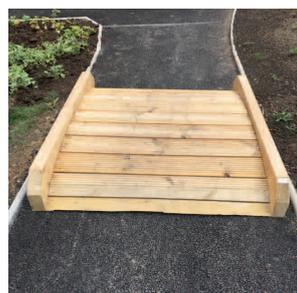
Storage box / planters / Triangular decks and play platforms



Wheelchair seesaw / Bucket and pulley system



Wheelchair trampoline / Timber roadway bridge



Timber poles with hooks and eyes and triangular sails / Imaginative den



Outdoor mirror / Double swing frame with flat rubber seat and inclusive swing seat



Wall-mounted traversing wall

Raised beds for the playground - various sizes for primary and secondary horticulture. Planted out in a large variety of ways, from growing vegetables to planting seasonal bulbs and summer flowers, raised beds offer an activity for all ages to enjoy as well as creating wildlife areas for local birds and insects to enjoy. On occasion large willow plants add an additional option of creating a willow tunnel that straddles more than one planter and in doing so, creating a magical tunnel to walk through.

Timber poles with sails - triangular shades 3.0 x 3.0 x 3.0m, colour fast, UV-proof and frost resistant. Supported by machine rounded 14cm quarter sawn pole with bitumen sleeve fitted at ground level and secured in concrete. A splash of colour for the outdoor area.

Compost Bins - 330 ltr capacity.

Water Butts - 200 ltr Butt with tape & stand.

Agility and Play Items

Triangular decks and play platforms - a pair of raised platforms of differing heights with access ladders connected by climbing rope Swings with flat seat and inclusive swing seat.

Wall mounted traversing walls - fixed onto an existing wall with C24 battens and marine ply.

Wheelchair seesaw - wheel chair seesaw with steel tread plate on the main wear surface.

Wheelchair trampoline - frame constructed with galvanized steel shape formed sheets specially strengthened. Reinforced jump mat - doubled steel/PCV cables and plastic lamellas. Bespoke ramps on both sizes for easy wheelchair access with additional rubber tiles and two side hand rails.



Water pump / Paddle pipes





Mud kitchen



Eco bongos / Outdoor blackboard



Timber shelter with scrambling net / Junior traversing wall



Tyre climbing and platform

Arched bridge 1.2 x 1.8m with side rails, suitable for small wheeled ride-on toys.

Timber shelter and scrambling net - 'A' Frame timber shelter with scrambling net below.

Sensory and Imaginative Play

Outdoor blackboards - 2400 x 1200 x 12mm.

Bucket and pulley system constructed using preserved timber, nylon rope galvanised fixings, chains & pulleys.

Eco bongos - trio of 3 pairs of PVC pipes with plastic stop ends of differing lengths, set in pairs on steel pipes fixed to concrete base.

Imaginative den - triangular timber structure with no specific function to encourage creative and imaginative play.

Hardwood Xylophone - keys constructed from 50 x 25mm Iroko strung together with 4mm marine grade rope - includes two beaters fixed by chain.

Outdoor mirror - 1.8 x 0.75m mounted on marine ply timber.

Mud kitchen with a selection of mock sink and cooker units including storage and drainage elements.

Tyre climbing and platform with timber top - filled in with type 1 surfacing material and covered with coloured bonded rubber.

Paddle pipes - UV stable plastic tuned pipes of varying lengths fixed to timber uprights.

Water pump constructed from durable stainless steel.

The outside area of the new campus will be heavily used by children of all ages and we ensured that all the play equipment and outdoor fixtures and fittings were installed to a high standard and to meet the safety standard required for outdoor play equipment for schools and community organisations.

The new provision has a number of new products that we will be carrying forward and adding to our list - these include the wheelchair trampoline and the wheelchair seesaw both being products that allow children and young people with and without additional support needs to be able to enjoy and integrate when it comes to having fun outside.

Caledonia Play were provided the following on site:

Access to water supply

Clear access and parking for the delivery vehicles

Access into the area at any point in the working day, (8.30-17.00).