

**Native Shrub Planting**

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m <sup>2</sup>
C san	Cornus sanguinea	Common Dogwood		60-80	B	1+1; Transplant - seed raised; branched; 3 brks	15	1
C av	Corylus avellana	Common Hazel		80-100	B	1+2; Transplant - seed raised; branched; 4 brks		1
C mon	Crataegus monogyna	Common Hawthorn		100-125	B	1+2; Transplant - seed raised	25	1
I a	Ilex aquifolium	Common Holly		40-60	3L	Bushy; 3 brks	5	1
P sp	Prunus spinosa	Blackthorn		60-80	B	1+1; Transplant - seed raised; branched; 2 brks	20	1
R can	Rosa canina	Dog Rose		60-80	B	1+1; Transplant - seed raised; branched; 3 brks	5	1
S cl	Salix cinerea	Grey Willow		80-100	B	0/1; Cutting; branched; 2 brks	10	1
S ni	Sambucus nigra	Common Elder		80-100	B	1+1; Transplant - seed raised; branched; 3 brks	10	1
V op	Viburnum opulus	Guelder Rose		60-80	B	1+2; Transplant - seed raised; branched; 3 brks	10	1

**Native Trees**

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	
Ac	Acer campestre	Common Maple	12-14	350-425	RB	3x; HS; clear stem min. 200cm; 5 brks		12
Ag	Alnus glutinosa	Common Alder	12-14	350-425	RB	3x; HS; clear stem min. 200cm; 5 brks		6
Bp	Betula pubescens	Downy Birch	12-14	350-425	RB	3x; HS; clear stem 175-200cm; 5 brks		20
Cm	Crataegus monogyna	Common Hawthorn	12-14	350-425	RB	3x; HS; clear stem 175-200cm; 5 brks		12
Pp	Prunus padus	Bird Cherry	12-14	350-425	RB	3x; HS; clear stem 175-200cm; 5 brks		11
Op	Quercus petraea	Sessile Oak	12-14	350-425	RB	3x; HS; clear stem 175-200cm; 5 brks		6
Sa	Sorbus aucuparia	Rowan	12-14	350-425	RB	3x; HS; clear stem 175-200cm; 5 brks		11
S l	Sorbus torminalis	Wild Service Tree	12-14	350-425	RB	3x; HS; clear stem 175-200cm; 5 brks		5
Tc	Tilia cordata	Small-leaved Lime	12-14	350-425	RB	3x; HS; clear stem 175-200cm; 5 brks		5

**Ornamental, Cultivars and Specimen Trees**

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	Number
AsC	Acer campestre 'Streetwise'	Field Maple 'Streetwise'	25-30	500-550	RB	4x; Semi-mature; clear stem min. 200cm		3
ApSK	Acer palmatum 'Sango-kaku'	Coral Bark Maple		200-250	70-100L	Branched; 5 brks		3
AIAB	Acer x freemanii 'Autumn Blaze'	Freeman Maple	25-30	500-550	RB	4x; Semi-mature; clear stem min. 200cm; 5 brks		3
As	Alnus x spaethii	Italian Alder	20-25	500-550	RB	3x; Semi-mature; clear stem min. 200cm		4
AgRH	Amelanchier x grandiflora 'Robin Hill'	Snowy Mesplis 'Robin Hill'	18-20	450-650	RB	3x; EHS; clear stem min. 200cm		3
BnH	Betula nigra 'Heritage'	River Birch 'Heritage'		400-450	RB	4x; Multi-stem; bushy; 3 stems min.		2
BpZG	Betula pendula 'Zwitsers Glorie'	Silver Birch 'Zwitsers Glorie'	14-16	400-450	RB	3x; EHS; clear stem min. 200cm; 5 brks		9
BuGG	Betula utilis 'Grayswood Ghost'	Himalayan Birch 'Grayswood Ghost'	14-16	400-450	RB	3x; EHS; clear stem min. 200cm; 5 brks		2
CbF	Carpinus betulus 'Frans Fontaine'	Hornbeam 'Frans Fontaine'	30-35	600-650	RB	4x; Semi-mature; clear stem min. 200cm		8
CIPS	Crataegus laevigata 'Paul's Scarlet'	Midland Hawthorn 'Paul's Scarlet'	16-18	400-450	RB	3x; EHS; clear stem min. 200cm		9
GS	Gleditsia triacanthos 'Skyline'	Honey Locust 'Skyline'	30-35	600-650	RB	4x; Semi-mature; clear stem min. 200cm		3
laaJT	Ilex aquifolium 'J.C. van Tol'	Holly 'J.C. van Tol'		200-250	70-90L	Leader with laterals		2
Kp	Koeleruteria paniculata	Golden Rain Tree	16-18	400-450	RB	3x; EHS; clear stem min. 200cm		1
Mk	Magnolia kobus	Northern Japanese Magnolia	18-20	350-450	RB	4x; EHS; clear stem 175-200cm		1
PIE	Populus tremula 'Erecta'	Swedish Upright	14-16	400-450	RB	3x; EHS; clear stem min. 200cm; 5 brks		3
PA	Prunus 'Amanogawa'	Lombardy Cherry	14-16	350-425	45-85L	EHS; clear stem 100-150cm; 5 brks		3
PsT	Prunus serotina tibetica	Tibetan Cherry	18-20	450-500	RB	3x; EHS; clear stem min. 200cm		1
PU	Prunus 'Umineko'	Flowering Cherry 'Umineko'	14-16	400-450	RB	3x; EHS; clear stem 175-200cm; 5 brks		5
Qi	Quercus ilex	Holm Oak	20-25	350-425	RB	4x; Pleached 150-200cm wide; 4-5 tiers; Semi-mature; clear stem min. 175cm; neatly clipped; clear stem min. 200cm		3
QRK	Quercus robur 'Fastigiata Koster'	Cypress Oak 'Koster'	25-30	min 550	RB	4x; Semi-mature; clear stem min. 200cm		3
Os	Quercus suber	Cork Oak	14-16	400-450	RB	3x; EHS; clear stem min. 200cm; 5 brks		1
SalJ	Salix alba 'Liempe'	White Willow 'Liempe'	14-16	400-450	RB	3x; EHS; clear stem 175-200cm; 5 brks		2
Sal	Sorbus aria 'Lutescens'	Whitebeam 'Lutescens'	14-16	400-450	RB	3x; EHS; clear stem 175-200cm; 5 brks		5
SaCR	Sorbus aucuparia 'Cardinal Royal'	Rowan 'Cardinal Royal'	14-16	400-450	RB	3x; EHS; clear stem 175-200cm; 5 brks		7
TcR	Tilia cordata 'Rancho'	Small-leaved Lime 'Rancho'	14-16	400-450	RB	3x; EHS; clear stem 175-200cm; 5 brks		9

**Ornamental Planting**

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m <sup>2</sup>
B 'Sun'	Brachyglottis 'Sunshine'	Shrub Ragwort 'Sunshine'		20-30	2L	Branched; 3 brks		4
C m 'I D'	Carex morrowii 'Ice Dance'	Japanese Sedge 'Ice Dance'			3L	Full pot		5
C t r	Ceanothus thyrsiflorus repens	Creeping Blueblossom	30-40D		3L	Bushy; 5 brks		4
C 'A P'	Choisya 'Aztec Pearl'	Mexican Orange Blossom 'Aztec Pearl'	30-40		3L	Bushy; 5 brks		4
C 'J'	Clematis 'Jackmanii'	Jackman's Clematis	100-150		10L	Caned; several shoots; 3 brks		1
C m r	Clematis montana rubens	Clematis Rubens	100-150		10L	Caned; several shoots; 5 brks		1
C san 'M F'	Cornus sanguinea 'Midwinter Fire'	Dogwood 'Midwinter Fire'	40-60		3L	Branched; 3 brks		4
G 'R'	Geranium Rozanne	Cranesbill Rozanne			3L	Full pot		5
H x f 'B G'	Hebe x franciscana 'Blue Gem'	Shrubby Veronica 'Blue Gem'	20-30		3L	Bushy; 5 brks		4
H r	Hebe rakaiensis	Rakai Hebe	20-30D		3L	Bushy; 5 brks		4
M ca a 'P P'	Molinia caerulea arundinacea 'Poul Petersen'	Purple Moor Grass 'Poul Petersen'			3L	Full pot		4
P t 'Ve'	Parthenocissus tricuspidata 'Veitchii'	Boston Ivy 'Veitchii'	80-100		3L	Caned; several shoots; 3 brks		2
P al 'H'	Pennisetum alopecuroides 'Hameln'	Fountain Grass 'Hameln'			3L	Full pot		4
P f 'E'	Potentilla fruticosa 'Elizabeth'	Shrubby Cinquefoil 'Elizabeth'	30-40D		3L	Bushy; 4 brks		4
S x c 'K G'	Skimmia x confusa 'Kew Green'	Skimmia 'Kew Green'	20-30		2L	Bushy; 3 brks		5

**Courtyard and Sensory Planting**

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m <sup>2</sup>
A glg	Allium giganteum	Giant Ornamental Onion			2L	Full pot		3
B 'B W'	Bergenia 'Bressingham White'	Elephant's Ears 'Bressingham White'			3L	Full pot		5
E pu 'M'	Echinacea purpurea 'Magnus'	Purple Coneflower 'Magnus'			3L	Full pot		5
E s 'A G'	Echinops sphaerocephalus 'Arctic Glow'	Globe Thistle 'Arctic Glow'			2L	Full pot		4
H m 'A'	Hakonechloa macra 'Aureola'	Golden Japanese Forest Grass			3L	Full pot		4
H 'R E'	Hebe 'Red Edge'	Shrubby Veronica 'Red Edge'	20-30D		3L	Bushy; 5 brks		5
H 'P'	Hydrangea 'Preziosa'	Hydrangea 'Preziosa'	30-40		3L	Branched; 3 brks		4
JAS CRE	Jasminum officinale 'Clotted Cream'	Jasmine 'Clotted Cream'	60-80		3L	Caned; several shoots; 2 brks		2
L an 'H'	Lavandula angustifolia 'Hidcote'	Lavender 'Hidcote'	20-30		3L	Bushy; 5 brks		5
LON	Lonicera periclymenum 'Heaven Scent'	Dutch Woodbine 'Heaven Scent'	60-80		3L	Caned; several shoots; 2 brks		2
M al 'Y D'	Miscanthus sinensis 'Yakushima Dwarf'	Eulalia 'Yakushima Dwarf'			3L	Full pot		5
P a 'D R'	Persicaria affinis 'Darjeeling Red'	Knotweed 'Darjeeling Red'			3L	Full pot		6
P 'B E'	Philadelphus 'Belle Etoile'	Mock Orange 'Belle Etoile'	30-40		3L	Branched; 4 brks		4
P mu 'Mu'	Pinus mugo 'Mughus'	Dwarf Mountain Pine 'Mughus'	30-40D		5L	Bushy		2
R of	Rosmarinus officinalis	Rosemary	30-40		3L	Bushy; 4 brks		4
S o 'P'	Salvia officinalis 'Purpurascens'	Purple Sage			2L	Full pot		6
S s 'B'	Sedum spectabile 'Brilliant'	Ice Plant 'Brilliant'			3L	Full pot		5
S by	Stachys byzantina	Lamb's Ears			3L	Full pot		7
S glg	Stipa gigantea	Giant Feather Grass			3L	Full pot		4
S ten	Stipa tenuissima	Mexican Feather Grass			3L	Full pot		6
V b	Verbena bonariensis	Argentinian Vervain			2L	Full pot		7

**Mixed Native Hedge**

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	Centres mm- double staggered row
A ca	Acer campestre	Common Maple		80-100	B			15
C san	Cornus sanguinea	Common Dogwood		60-80	B	1+1; Transplant - seed raised; branched; 3 brks	5	500
C av	Corylus avellana	Common Hazel		80-100	B	1+2; Transplant - seed raised; branched; 4 brks	20	500
C mon	Crataegus monogyna	Common Hawthorn		100-125	B	1+2; Transplant - seed raised	25	500
I a	Ilex aquifolium	Common Holly		40-60	3L	Bushy; 3 brks	5	500
R can	Rosa canina	Dog Rose		60-80	B	1+1; Transplant - seed raised; branched; 3 brks	5	500
S ni	Sambucus nigra	Common Elder		60-80	B	1+1; Transplant - seed raised; branched; 3 brks	10	500
U e	Ulex europaeus	Common Gorse		30-40	3L	Bushy; 5 brks	5	500
V op	Viburnum opulus	Guelder Rose		40-60	B	1+1; Transplant - seed raised; branched; 2 brks	10	500

**Ornamental Hedge Type 1- Riverbank classrooms**

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m2
H x f 'B G'	Hebe x franciscana 'Blue Gem'	Shrubby Veronica 'Blue Gem'		30-40		5-7.5L		4
P f 'G'	Potentilla fruticosa 'Goldfinger'	Shrubby Cinquefoil 'Goldfinger'	30-40D			5-7.5L		4

**Ornamental Hedge Type 2- Doyle Avenue Entrance**

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m2
P x f 'R 'R'	Photinia x fraseri 'Red Robin'	Christmas Berry 'Red Robin'		80-100		Branched; 8 brks		2

**Native Hedge -Beech- Woodlands Learn to Grow**

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	Centres mm-double staggered row
F s	Fagus sylvatica	Common Beech		125-150	B	2x; Feathered; 2 brks		500

**Rain Garden Mix Type 1- Outdoor classroom areas**

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m <sup>2</sup>
A mo	Alchemilla mollis	Lady's Mantle			2L	Full pot		5
A x f 'M'	Aster x frikartii 'Mönch'	Michaelmas Daisy 'Mönch'			2L	Full pot		5
B 'B W'	Bergenia 'Bressingham White'	Elephant's Ears 'Bressingham White'			3L	Full pot		6
C r 'L'	Crocsmia 'Lucifer'	Montbretia 'Lucifer'			3L	Full pot		2
G 'R'	Geranium Rozanne	Cranesbill Rozanne			3L	Full pot		6
P a 'S'	Persicaria affinis 'Superba'	Knotweed 'Superba'			3L	Full pot		5
R f s 'G'	Rudbeckia fulgida sullivanii 'Goldsturm'	Black-eyed Susan 'Goldsturm'			2L	Full pot		5
S aut	Sesleria autumnalis	Autumn Moor Grass			3L	Full pot		5
S ten	Stipa tenuissima	Mexican Feather Grass			3L	Full pot		6

**Rain Garden Mix Type 2- Car parking areas**

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m <sup>2</sup>
C san 'M F'	Cornus sanguinea 'Midwinter Fire'	Dogwood 'Midwinter Fire'		40-60	3L	Branched; 3 brks		4
D ca	Deschampsia cespitosa	Tufted Hair Grass			3L	Full pot; Sept to April planting; British native-origin		4
EUP BUS	Eupatorium maculatum 'Purple Bush'				3L			3
M ca a 'K F'	Molinia caerulea arundinacea 'Karl Foerster'	Purple Moor Grass 'Karl Foerster'			3L	Full pot		4
O r	Osmonda regalis	Royal Fern			3L	Full pot		4
V op 'C'	Viburnum opulus 'Compactum'	Guelder Rose 'Compactum'		30-40	3L	Bushy; 4 brks		4

**Rain Garden Mix Type 3- General areas**

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m <sup>2</sup>
A x h 'H S'	Anemone x hybrida 'Honorine Jobert'	Japanese Anemone 'Honorine Jobert'			3L	Full pot		5
BER BAL	Bergenia 'Ballawley'	Elephant's Ears 'Ballawley'			2L	Full pot		6
C x a 'K F'	Calamagrostis							