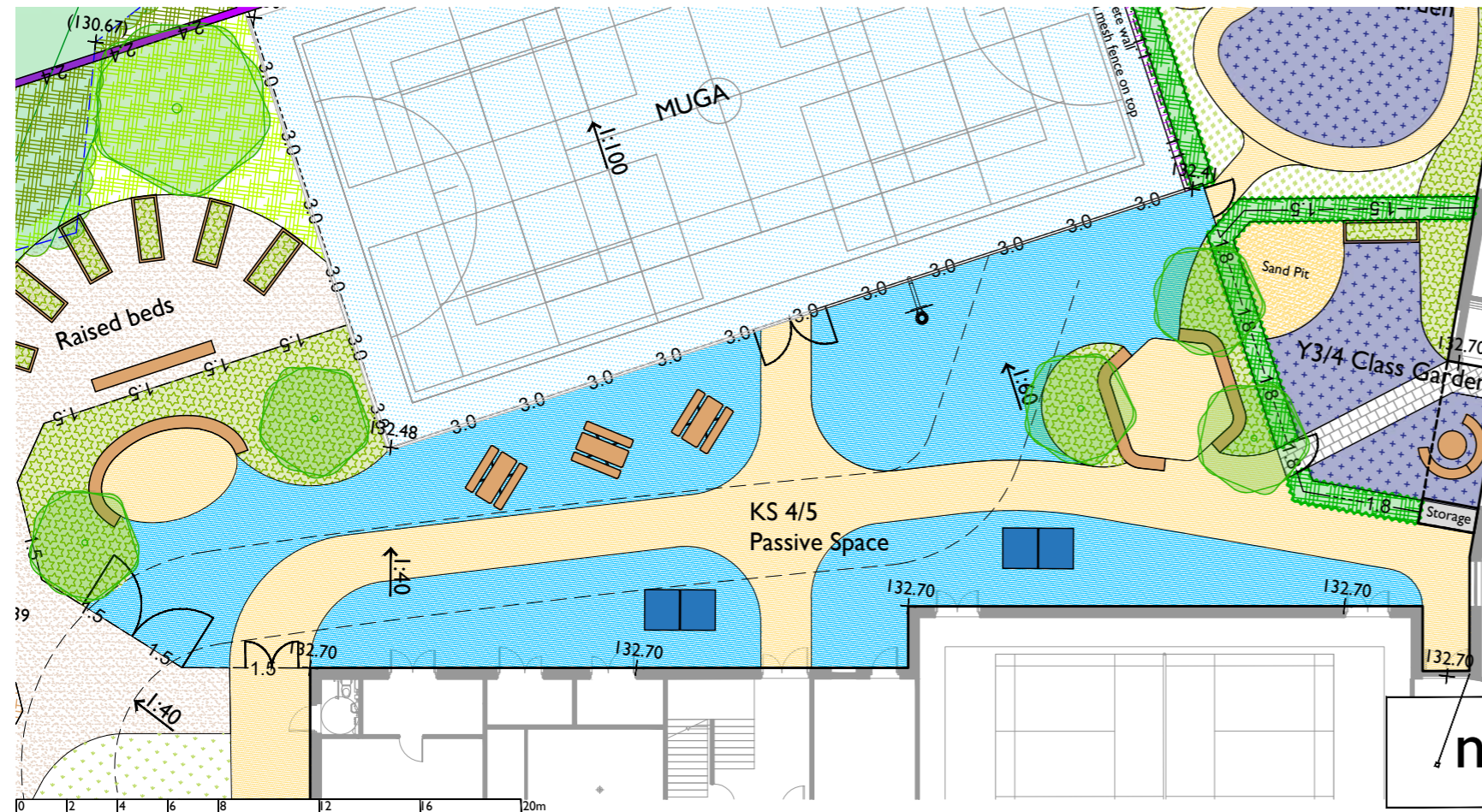




KS4+5 ACTIVE / PASSIVE SPACES (years 7, 8, 9)



- | | | | |
|--|--|--|-----------------------------------|
| | Hedgerow Planting | | 1.5m Anti-climb Weld Mesh Fencing |
| | Ornamental Shrub Planting | | 2.4m Anti-climb Weld Mesh Fencing |
| | Reinforced Grass Turf | | 3.0m Rebound Weld Mesh Fencing |
| | Slab Paving | | Seating |
| | Coloured Tarmac | | Table Tennis |
| | MUGA Sports Surface | | |
| | 2.0m high Freestanding Wall
(refer to Engineer's details) | | |

Brief

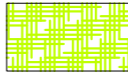
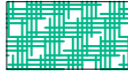

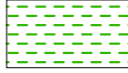




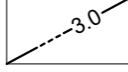
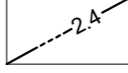
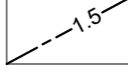
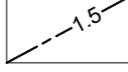
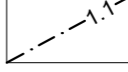
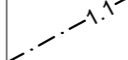
- Provide primarily seating and tables creating areas for multiple groups of students to go in.
- Provide durable outdoor table tennis tables or similar.
- Basketball and net ball nets to be considered in the MUGA at right angles to the football.
- Consider if a secondary net might be put on the outside of the fence.
- Do not need running tracks.

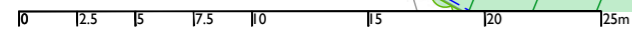




OUTDOOR LEARNING AREA & FOREST SCHOOL



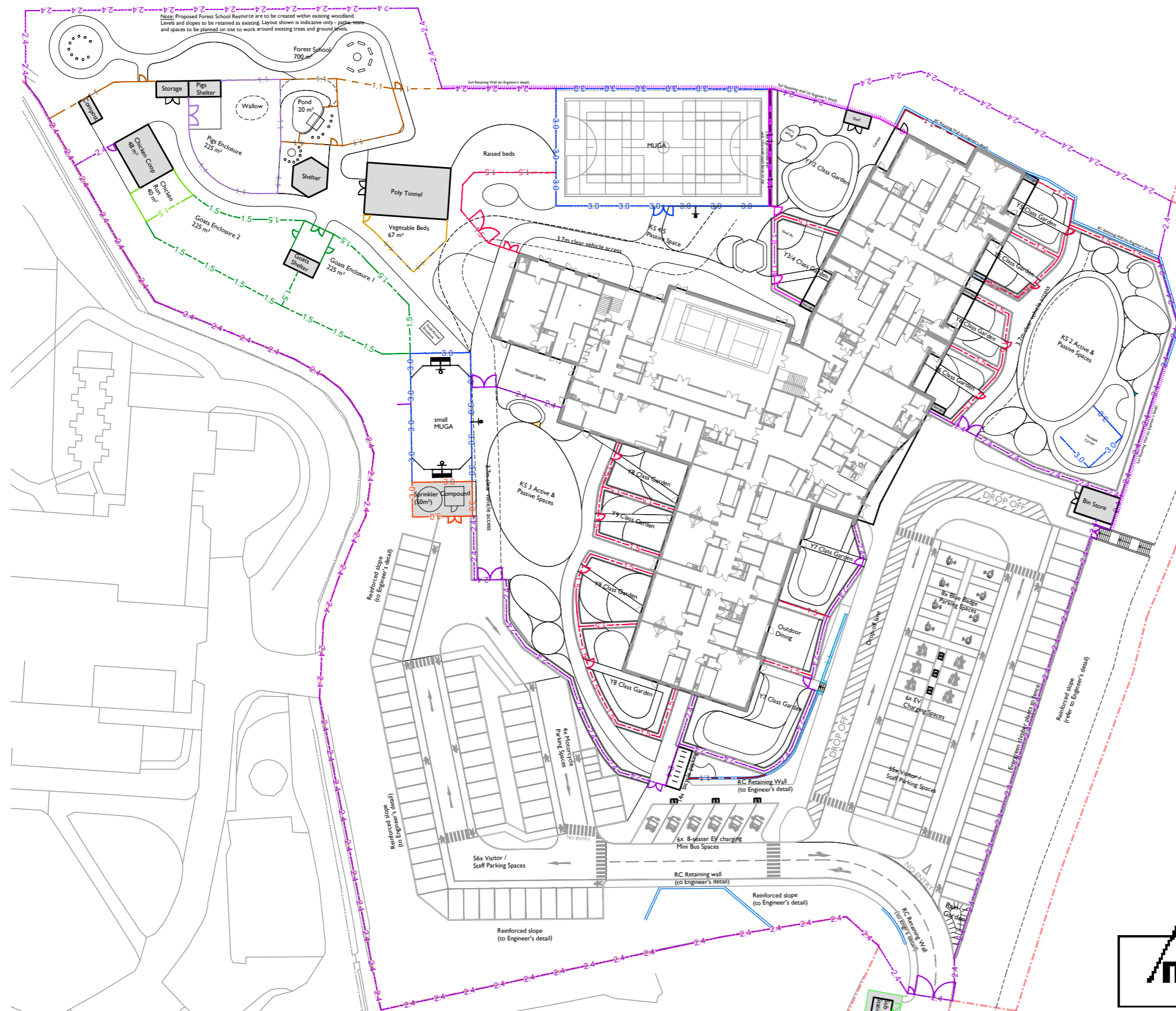
-  Wildflower Meadow Seeding
-  Wetland / Pond Margin Seeding
-  Woodland Undergrowth Seeding
-  Grazing Pasture Seeding
-  Amenity Grass Seeding
-  Reinforced Grass Turf
-  Timber Decking
-  Reinforced Gravel
-  3.0m Rebound Weld Mesh Fencing
-  2.4m Anti-climb Weld Mesh Fencing
-  1.5m Galvanised Wire Mesh Fencing to Goats Enclosure
-  1.5m Galvanised Wire Netting Fencing to Chicken Run
-  1.1m Galvanised Wire Mesh Fencing incl. electric pasture tape to Pigs Enclosure
-  1.1m Cleft Chestnut Fencing



BOUNDARY TREATMENTS



BOUNDARY TREATMENTS



3.0m Vertical Featheredge Closeboard Timber Fencing to Sprinkler Tank



1.5m Anti-climb Weld Mesh Fencing

1.8m Anti-climb Weld Mesh Fencing

2.4m Anti-climb Weld Mesh Fencing



3.0m Rebound Weld Mesh Fencing to MUGA



1.1m Timber Picket Fencing to vegetable beds



1.5m Galvanised Wire Mesh Fence to Goat's Enclosure



1.5m Galvanised Wire Netting Fencing to Chicken Run



1.1m Galvanised Wire Mesh Fencing incl. electric pasture tape to Pig's Enclosure



1.1m Cleft Chestnut Fencing to Forest School

PLANTING STRATEGY



PLANTING STRATEGY / ZONING



PLANTING STRATEGY ZONING KEY

- Class Gardens
- Active/ Passive Outdoor Spaces
- Ornamental Shrub Planting
- Native Shrub/ Woodland Planting
- Woodland Improvement Planting
- Meadow Habitats/ Wetland
- Extensive Green Roof



SELECTED PLANTS FOR CLASS GARDENS



Aims

- Provide a safe and calming green outdoor space to every groundfloor classroom.
- Provide a green calming view out of the classroom throughout the seasons.
- Provide a screen to mitigate distraction from beyond the class garden.
- Provide a secure fence line softened and masked by hedges and climbers.
- Sensory planting for pupils to interact with.
- Trees to provide structure and shade.

Requirements

- Avoid poisonous plants or any which can cause health issues or injury..
- Robust and low maintenance planting.
- Sensory plants (appearance, colour, fragrance, texture) which are gently stimulating but without being overstimulating.
- Plants benefiting biodiversity & pollinators.
- A good proportion of evergreen plants for green aspects throughout the year.

Trees



Prunus 'Shogetsu'

Hedge to fence



Griselinia littoralis
'Green Hedgemaster'

Climber to fence



Trachelospermum jasminoides



Clematis armandii



Lonicera henryi

Shrubs/ herbaceous species



Hebe 'Emerald Green'



Thymus vulgaris 'Compactus'



Tiarella cordifolia 'Moorgrün'



Skimmia x confusa 'Kew Green'



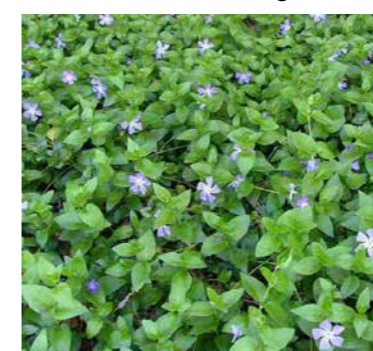
Choisya ternata



Sarcococca confusa



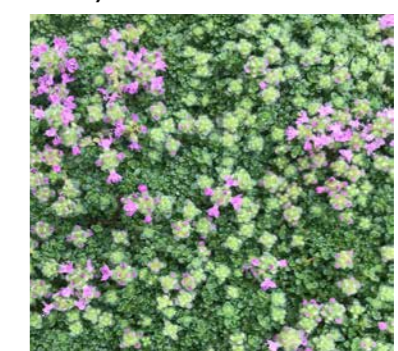
Geranium macrorrhizum
'Spessart'



Vinca major



Alchemilla mollis



Thymus serpyllum 'Elfin'

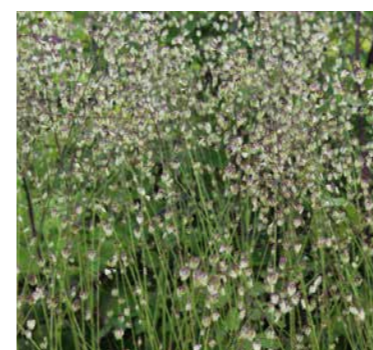
Grasses



Stipa tenuissima



Deschampsia 'Goldtau'



Briza media



Pennisetum thunbergii
'Red Buttons'



Festuca gautieri



SELECTED PLANTS FOR ACTIVE/PASSIVE OUTDOOR SPACES



Aims

- Provide a safe and green outdoor environment for play as well as passive use.
- Provide a sensory planting for pupils to interact with, but at the same time creating a calming environment.
- Provide a screen to mitigate distraction from beyond the school compound.
- Provide a secure fence line softened and masked by shrub planting, hedges and trees.
- Trees to provide structure and shade.

Requirements

- Avoid poisonous plants or any which can cause health issues or injury.
- Robust and low maintenance planting.
- Sensory plants (appearance, colour, fragrance, texture) which are gently stimulating but without being overstimulating.
- Plants benefiting biodiversity & pollinators.
- A good proportion of evergreen plants for green aspects throughout the year.

Trees



Acer campestre 'Streetwise'



Tilia cordata 'Green Spire'



Betula papyrifera



Acer saccharum



Juglans nigra

Hedge



Fagus sylvatica



Lonicera nitida 'May Green'



Ajuga reptans 'Catlin's Giant'



Lavandula x angustifolia 'Hidcote'

Shrubs/ herbaceous species



Corylus avellana 'Contorta'



Sambucus nigra



Hebe 'Emerald Green'



Rosmarinus officinalis 'Blue Boy'



Geranium macrorrhizum 'Spessart'



Choisya ternata

Grasses



Stipa tenuissima



Deschampsia 'Goldtau'



Briza media



Pennisetum thunbergii 'Red Buttons'



Stipa calamagrostis 'Lemperg'



SELECTED PLANTS FOR ORNAMENTAL SHRUB PLANTING



Aims

- Benefit biodiversity and SuDS.
- Soften an extensive car park to avoid an 'institutional' impression of the space.
- Provide a welcoming and calming approach to the school.
- Provide green views from the upper floor classrooms.
- Trees to provide structure and shade.
- Fruit trees to provide a flowering aspect in spring and the opportunity for fruit harvesting.

Requirements

- Avoid poisonous plants or any which can cause health issues or injury in proximity of students drop-off and along circulation routes.
- Robust and low maintenance planting.
- Plants benefiting biodiversity & pollinators.
- A good proportion of evergreen plants for green aspects throughout the year.

Trees



Acer campestre 'Streetwise'



Tilia cordata 'Green Spire'



Carpinus betulus



Prunus avium 'Plena'



Prunus padus 'Albertii'

Fruit Trees



Prunus domestica
'Reine-Claude D'Oullins'



Pyrus communis 'Conference'



Malus domestica
'Egremont Russet'



Malus domestica 'Sunset'



Malus domestica
'Cox's Self Fertile'

Hedge



Fagus sylvatica



Lonicera nitida 'May Green'



Cornus sanguinea 'Midwinter Fire'



Hebe 'Emerald Green'



Skimmia x confusa 'Kew Green'



Geranium macrorrhizum
'Spessart'



Choisya ternata



Sarcococca confusa



Stipa tenuissima



Stipa calamagrostis 'Lemperg'



SELECTED PLANTS FOR NATIVE SHRUB & WOODLAND PLANTING



Trees



Quercus robor



Carpinus betulus



Prunus avium 'Plena'



Prunus padus 'Albertii'



Acer campestre 'Streetwise'

Shrubs



Cytisus praecox 'Alba'



Corylus avellana



Sambucus nigra



Aruncus dioicus



Aegopodium podagraria



Ribes nigrum



Ribes rubrum



Rubus fruticosus



Rubus idaeus 'Autumn Bliss'



Geranium macrorrhizum

Grasses



Luzula sylvatica



Carex pendula



Galium odoratum



Dryopteris filix-mas



Allium ursinum

Aims

- Extension and improvement of the existing woodland frame.
- Increased biodiversity through habitat improvement and creation.
- Provide a natural screen to the school.
- To connect existing habitats on site as well as to provide improvement to the wider ecological network beyond.

Requirements

- Avoid poisonous plants or any which can cause health issues or injury in areas frequented and used by students.
- Native plants with benefits for local wildlife.
- Low maintenance planting.
- Plants which can be used for fruit harvesting and ecological education.
- Plants providing interesting aspects throughout the seasons.



SELECTED PLANTS FOR WOODLAND IMPROVEMENT PLANTING*

*to be verified by the Ecologist



Aims

- Improvement of the existing woodland understorey and fieldlayer to benefit BNG.
- Increased biodiversity through habitat improvement and creation.

Requirements

- Avoid poisonous plants or any which can cause health issues or injury in areas frequented and used by students.
- Native plants with benefits for local wildlife and suitable for the existing conditions.
- Plants providing interesting aspects throughout the seasons.



Ilex aquifolium



Crataegus monogyna



Sorbus aucuparia



Corylus avellana



Malus sylvestris



Sambucus nigra



Cornus sanguinea



Viburnum opulus



Frangula alnus



Rhamnus cathartica



Ribes rubrum



Rubus fruticosus



Lonicera periclymenum



Aegopodium podagraria



Luzula sylvatica

Woodland groundlayer seed mix Emorsgate EWI composition:
Wildflowers 20%
1.00% Alliaria petiolata
0.50% Anthriscus sylvestris
2.00% Carex divulsa ssp divulsa
0.10% Carex pendula
4.00% Chaerophyllum temulum
1.00% Digitalis purpurea
1.10% Filipendula ulmaria
0.50% Galium album
2.00% Geranium pyreniacum
0.80% Geum urbanum
1.00% Hyacinthoides non-scripta
5.00% Silene dioica
1.00% Silene flos-cuculi
Grasses 80%
1.00% Agrostis capillaris
2.00% Anthoxanthum odoratum
1.00% Brachypodium sylvaticum
50.00% Cynosurus cristatus
2.00% Deschampsia cespitosa
20.00% Festuca rubra
4.00% Poa nemoralis



Woodland groundlayer seed mix



Carex pendula



Dryopteris affinis



Blechnum spicant



Pteridium aquilinum



GRAZING PASTURE, WILDFLOWER MEADOWS, WETLAND & WOODLAND



Pollarded Willows



Salix alba

Pond Edge Mixture



Wild Flowers

- Carex divulsa ssp divulsa
- Carex pendula
- Centurea nigra
- Cruciata laevipes
- Dipsacus fullonum
- Filipendula ulmaria
- Galium album
- Geranium pyreniacum
- Geum rivale
- Iris pseudacorus
- Lycopus europaeus
- Oenanthe pimpinelloides
- Prunella vulgaris
- Rhinanthus minor Yellow Rattle
- Silene dioica
- Silene flos-cuculi

Grasses

- Agrostis capillaris
- Anthoxanthum odoratum
- Briza media
- Cynosurus cristatus
- Deschampsia cespitosa
- Festuca rubra

Grazing Meadow Mixture



Wildflower Meadow Mixture



Wild Flowers

- Achillea millefolium
- Centurea nigra
- Cruciata laevipes
- Daucus carota
- Knautia arvensis
- Leucanthemum vulgare
- Malva moschata
- Plantago lanceolata
- Poterium sanguisorba ssp sanguisorba
- Primula veris
- Ranunculus acris
- Silene dioica
- Silene vulgaris
- Galium verum

Grasses

- Agrostis capillaris
- Cynosurus cristatus
- Festuca rubra
- Phleum bertolonii
- Poa pratensis

Wild Flowers

- Achillea millefolium
- Plantago lanceolata
- Cichorium intybus
- Sanguisorba officinalis
- Aethusa cynapium
- Onobrychis viciifolia

Grasses

- Festuca pratensis
- Poa pratensis
- Cynosurus cristatus
- Phleum bertolonii
- Festuca rubra
- Lolium perenne
- Dactylis glomerata
- Trifolium pratense

Hedgerow Mixture



Wild Flowers

- Achillea millefolium
- Alliaria petiolata
- Anthriscus sylvestris
- Carex divulsa ssp divulsa
- Centaurea nigra
- Chaerophyllum temulum
- Cruciata laevipes
- Dipsacus fullonum
- Galium album
- Geranium pratense
- Geranium pyreniacum
- Geum urbanum
- Knautia arvensis
- Leucanthemum vulgare
- Malva moschata
- Plantago lanceolata
- Silene dioica
- Silene flos-cuculi
- Torilis japonica

Grasses

- Agrostis capillaris
- Anthoxanthum odoratum
- Brachypodium sylvaticum
- Cynosurus cristatus
- Deschampsia cespitosa
- Festuca rubra
- Poa nemoralis

Aims

- Providing a new wetland habitat with natural pond and wildflower meadow for ecological education opportunities and biodiversity improvement.
- Plants providing food for farm animals (e.g. pollarded willows to provide food for goats).
- Species rich pasture to provide grazing for farm animals
- Improvement of Woodland fringe habitat with native hedgerow undergrowth seeding to new woodland planting.
- To connect existing habitats on site as well as to provide improvement to the wider ecological network beyond.

Requirements

- Avoid toxic plants in areas frequented and used by students.
- Native plants with benefits for local wildlife and provide opportunities for nature studies.

colour

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