Illustrated Field Guide
to the Poolesville High School Campus

Laura Barnard, period 8

Sponsor: Ms Bailey
<table>
<thead>
<tr>
<th>Table of Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mimulus ringens (allegheny monkeyflower).......................... 3</td>
</tr>
<tr>
<td>Andropogon virginicus (broom sedge).................................. 4</td>
</tr>
<tr>
<td>Asclepias incarnata (swamp milkweed)................................. 5</td>
</tr>
<tr>
<td>Asclepias tuberosa (butterfly weed).................................... 6</td>
</tr>
<tr>
<td>Conoclinium Coelestium (blue mist flower)............................ 7</td>
</tr>
<tr>
<td>Typha latifolia (cattail - left)............................................ 8</td>
</tr>
<tr>
<td>Cichorium intibus (chicory).................................................. 9</td>
</tr>
<tr>
<td>Rosa multiflora (multiflora rose).......................................... 10</td>
</tr>
<tr>
<td>Taraxacum officinale (dandelion).......................................... 11</td>
</tr>
<tr>
<td>Echinacea purpurea (purple coneflower)............................... 12</td>
</tr>
<tr>
<td>Epilobium coloratum (purpleleaf willowherb)....................... 13</td>
</tr>
<tr>
<td>Parthenocissus quinquefolia (virginia creeper).................... 14</td>
</tr>
<tr>
<td>Solidago altissima (tall goldenrod)....................................... 15</td>
</tr>
<tr>
<td>Leersia cryzoides (rice cutgrass)........................................ 16</td>
</tr>
<tr>
<td>Ilex laevigata (smooth winterberry)..................................... 17</td>
</tr>
<tr>
<td>Lonicera japonica (japanese honeysuckle)............................. 18</td>
</tr>
<tr>
<td>Myrica cerifica (wax myrtle)............................................... 19</td>
</tr>
<tr>
<td>Phlox maculate (wild sweet william)..................................... 20</td>
</tr>
<tr>
<td>Plantago lanceolata (narrowleaf plantain)............................ 21</td>
</tr>
<tr>
<td>Carduus nutans (nodding plumeless thistle).......................... 22</td>
</tr>
<tr>
<td>Polygonum hydropiperoides (swamp smartweed)..................... 23</td>
</tr>
<tr>
<td>Rumex crispus (curly dock).................................................... 24</td>
</tr>
<tr>
<td>Amelanchier arborea (shadbush)............................................ 25</td>
</tr>
<tr>
<td>Saururus cernuus (lizard’s tail).......................................... 26</td>
</tr>
<tr>
<td>Schoenoplectur tabernaemontani (softstem bulrush)............... 27</td>
</tr>
<tr>
<td>Sonchus arvensis (creeping sow thistle)............................... 28</td>
</tr>
<tr>
<td>Eupatoriadelphus maculates (spotted joe pye weed)............... 29</td>
</tr>
<tr>
<td>Sulanum dulcamara (climbing nightshade)............................ 30</td>
</tr>
<tr>
<td>Symphiotricum ericoides (white aster).................................. 31</td>
</tr>
<tr>
<td>Acalypha rhomboidea, (three seeded mercury)...................... 32</td>
</tr>
<tr>
<td>Trixis californica (american threefold)............................... 33</td>
</tr>
<tr>
<td>Vernonia noveboracensis (new york ironweed)..................... 34</td>
</tr>
<tr>
<td>Veronica longfolia (longleaf speedwell)............................. 35</td>
</tr>
<tr>
<td>Vitus vulpine (winter grape).............................................. 36</td>
</tr>
<tr>
<td>Scirpus cyporinus (woolgrass)............................................ 37</td>
</tr>
</tbody>
</table>
Mimulus ringens (allegheny monkeyflower)

Flower color: purple or blue, yellow-orange spots
Flower shape: orchid-like
Fruit of plant: n/a
Stem: reddish
Habitat: wetlands
Leaf type: lanceolate
Andropogon virginicus (broom sedge)

- Flower color: n/a
- Petal shape: n/a
- Fruit of plant: n/a
- Stem: narrow clumps
- Habitat: fields
- Leaf type: linear (grasslike)
Asclepias incarnata (swamp milkweed)

Flower color: Violet
Flower shape: rounded (compound flowers)
Fruit of plant: long narrow seed pods
Stem: stiff and fleshy, milky when broken
Habitat: wetlands
Leaf type: elliptic
Asclepias tuberosa (butterfly weed)

Flower color: Orange and yellow
Petal shape: rounded, compound flowers
Fruit of plant: long, narrow seed pods
Stem: hairy, not milky when broken (unlike other milkweeds)
Habitat: fields, grassland
Leaf type: lanceolate
Conoclinium Coelestium (blue mist flower)

Flower color: Blue
Petal shape: elongated, compound
Fruit of plant: n/a
Stem: reddish
Habitat: wetlands
Leaf type: ovate
**Typha latifolia (cattail - left)**

Flower color: brown  
Fruit of plant: fluffy seeds  
Stem: stiff, similar to paper  
Habitat: wetlands  
Leaf type: stiff and linear

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**Oenothera biennis**  
(evening primrose – yellow flower)

Flower color: yellow  
Petal shape: heart-shaped  
Fruit of plant: rectangular seed boxes  
Stem: stiff and hairy  
Habitat: wetlands  
Leaf type: lanceolate
Cichorium intibus (chicory)

Flower color: Pale blue or purple
Petal shape: narrow rectangular
Flower shape: ray
Fruit of plant: small, white
Stem: hairless
Habitat: Basically everywhere
Leaf type: runcinate
Other information: commonly confused with dandelion bc of the leaves
Rosa multiflora (multiflora rose)

Flower color: White
Flower shape: perfect, 5 petals, yellow center
Fruit of plant: red berry
Stem: thorny
Habitat: everywhere - invasive weed (found in wetlands)
Leaf type: compound, ovate
Taraxacum officinale (dandelion)

Flower color: Yellow
Flower shape: rays, narrow petals
Fruit of plant: fluffy seed heads
Stem: hairy, sometimes reddish
Habitat: widespread - weed
Leaf type: runcinate
Other information: every dandelion is identical to its parent dandelion
Echinacea purpurea (purple coneflower)

Flower color: Lavender
Flower shape: tapered
Fruit of plant: small black seeds
Stem: thick, hairy, red
Habitat: fields
Leaf type: elliptic

Berberis (barberry bush)

Flower color: bright, varied
Flower shape: round, small
Fruit of plant: red berries
Stem: thorny, red
Habitat: widespread - invasive weed
Leaf type: small, ovate
Epilobium coloratum (purpleleaf willowherb)

Flower color: Blue/lavender
Flower shape: four cleft petals
Fruit of plant: small furry seeds
Stem: fuzzy
Habitat: wetlands
Leaf type: lanceolate, reddish
Parthenocissus quinquefolia (virginia creeper)

- Flower color: green
- Flower shape: star
- Fruit of plant: round seed pods
- Habitat: invasive weed
- Leaf type: compound (cluster of 5 ovate leaflets)
- Other info: vine plant, turns brilliant red in fall

Polygonum

- Flower color: white
- Flower shape: tiny, furled
- Fruit of plant: tiny seeds
- Stem: hairless
- Habitat: wetlands
- Leaf type: linear
Solidago altissima (tall goldenrod)

Flower color: Yellow
Flower shape: very small, clustered
Fruit of plant: bristled tiny seeds
Stem: hairless
Habitat: widespread
Leaf type: sharply toothed lanceolate
Leersia cryzoides (rice cutgrass)

Flower color: inconspicuous
Flower shape: spikelet
Fruit of plant: small fuzzy seeds
Habitat: wetlands
Leaf type: linear, papery
Other information:
Ilex laevigata (smooth winterberry)

Flower color: white
Petal shape: rounded
Fruit of plant: small red berries
Stem: woody
Habitat: wetland
Leaf type: ovate
Lonicera japonica (Japanese honeysuckle)

Flower color: White or yellow
Flower shape: trumpet, grow in pairs
Fruit of plant: small black berries
Stem: woody vine
Habitat: invasive weed
Leaf type: elliptic

Other information: nectar is edible and sweet
Myrica cerifera (wax myrtle)

Flower color: green/pink, exude wax-like substance
Flower shape: globular
Fruit of plant: small purple berries
Stem: woody
Habitat: wetlands
Leaf type: evergreen, sharp serration at end
Other information: highly flammable, wax is used in candle-making
Phlox maculate (wild sweet william)

Flower color: Pink/purple and white, rarely just white
Flower shape: 5 petals, perfect
Fruit of plant: unremarkable seeds
Stem: hairless
Habitat: widespread
Leaf type: lanceolate
Plantago lanceolata (narrowleaf plantain)

- Flower color: white
- Petal shape: small compound, around conical seedpod
- Fruit of plant: black seeds
- Stem: stiff, hairless
- Habitat: invasive weed
- Leaf type: linear, basal rosette (no leaves on stem of plant)
Carduus nutans (nodding plumeless thistle)

- Flower color: Purple/pink
- Flower shape: puffball
- Fruit of plant: dandelion-like
- Stem: stiff, prickly
- Habitat: invasive weed
- Leaf type: runcinate, basal rosette with leaves on stem
Polygonum hydropiperoides (swamp smartweed)

- Flower color: white and pink
- Petal shape: compound rosettes
- Fruit of plant: tiny seeds
- Stem: green, hairless
- Habitat: wetlands
- Leaf type: linear
- Other information: can be found growing at base of cattails
Rumex crispus (curly dock)

Green flowers turn red

Flower color: green turns reddish brown
Flower shape: tiny, compound
Fruit of plant: tiny red-brown seeds
Stem: green/red
Habitat:
Leaf type: curly oblanceolate
Amelanchier araborea (shadbush)

Flower color: White
Flower shape: five petals, green/yellow center
Fruit of plant: berries
Stem: woody – plant is a shrub
Habitat: widespread
Leaf type: compound leaves with ovate leaflets
Saururus cernuus (lizard's tail)

Flower colour: blue/lavender
Flower shape: floppy cone made of clustered flowers
Fruit of plant:
Habitat or range:
Blooming time:
Leaf type: cordate, deeply veined
Schoenoplectur tabernaemontani (softstem bulrush)
Sonchus arvensis (creeping sow thistle)

Flower color: Yellow
Flower shape: Rays
Fruit of plant:
Stem:
Habitat: fields, meadows, roadside
Leaf type: runcinate
Eupatoriadelphus maculates (spotted joe pye weed)

Flower color: pink/purple
Flower shape: flat-topped clusters (umbrels)
Fruit of plant:
Stem:
Habitat:
Leaf type:
Solanum dulcamara (climbing nightshade)

Flower color: purple, yellow center
Flower shape: star shaped
Fruit of plant: red berries
Stem: woody
Habitat: widespread
Leaf type: ovate, almost heart shaped
Symphiotricum ericoides (white aster)

Flower color: white and yellow
Flower shape: rays
Fruit of plant: small brown seeds
Stem: branches extensively, woody, bush-like appearance of plant
Habitat: wetlands, can be found widespread
Leaf type: lanceolate leaves at base, linear leaves on stem
Other information: considered a weed
**Acalypha rhomboidea, (three seeded mercury)**

- Flower color: golden green - red
- Flower shape: looks like berries
- Fruit of plant: 3 tan colored seeds produced by the “3 seed” ovate
- Blooming time:
- Habitat:
- Leaf type: ovate-nettle
- Other information: can become a serious weed
Trixis californica (american threefold)

Flower color: yellow
Flower shape: small flowerheads, small shrub
Fruit of plant: fluffy seedpods, similar to dandelion
Habitat: found in scrubland/dry soil?? West coast
Blooming time: February-October
Leaf type: lanceolate
Other information: may no longer be found on campus
Vernonia noveboracensis (new york ironweed)

Flower color: deep purple or deep pink
Flower shape: flat-topped clusters
Fruit of plant: nutlet
Blooming time: late summer, early fall
Habitat: wetlands
Leaf type: lanceolate, fine-toothed serration
Other information: purple flowers become brown and fluffy in fall
Veronica longfolia (longleaf speedwell)

Flower color: purple/blue/lavender
Flower shape: conical clusters of flowerlets
Blooming time: spring/summer
Habitat: meadows, grassland
Leaf type: lanceolate
Vitus vulpine (winter grape)

Flower color: white
Flower shape: 5-petals, tiny, inconspicious
Fruit of plant: blue-black berries
Plant type: vine
Habitat: woods, floodplains
Blooming time: summer
Leaf type: deltoid, very slight lobing, brownish underside
Other information: fruit is edible, turns to raisins in winter and is a common foodsource for small mammals, can grow up to 83 feet!
Scirpus cyporinus (woolgrass)

Flower color: greenish-brown
Flower shape: clusters of spikelets
Fruit of plant: yellow-grey to white
Blooming time: late summer, early fall
Habitat: wetlands
Leaf type: linear, flat, grasslike
Other information: is member of sedge family, is not a grass
<table>
<thead>
<tr>
<th>Plant Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acalypha rhomboidea</td>
<td>33</td>
</tr>
<tr>
<td>Allegheny monkeyflower</td>
<td>3</td>
</tr>
<tr>
<td>Amelanchier araborea</td>
<td>25</td>
</tr>
<tr>
<td>American threefold</td>
<td>34</td>
</tr>
<tr>
<td>Andropogen virginicus</td>
<td>4</td>
</tr>
<tr>
<td>Asclepias incarnata</td>
<td>5</td>
</tr>
<tr>
<td>Asclepias tuberosa</td>
<td>6</td>
</tr>
<tr>
<td>Blue mist flower</td>
<td>7</td>
</tr>
<tr>
<td>Broom sedge</td>
<td>4</td>
</tr>
<tr>
<td>Butterfly weed</td>
<td>6</td>
</tr>
<tr>
<td>Carduus nutans</td>
<td>22</td>
</tr>
<tr>
<td>Cattail</td>
<td>8</td>
</tr>
<tr>
<td>Chicory</td>
<td>9</td>
</tr>
<tr>
<td>Cichorium intibus</td>
<td>9</td>
</tr>
<tr>
<td>Climbing nightshade</td>
<td>31</td>
</tr>
<tr>
<td>Conoclinium Coelestium</td>
<td>7</td>
</tr>
<tr>
<td>Creeping sow thistle</td>
<td>29</td>
</tr>
<tr>
<td>Curly dock</td>
<td>24</td>
</tr>
<tr>
<td>Dandelion</td>
<td>11</td>
</tr>
<tr>
<td>Echinacea purpurea</td>
<td>12</td>
</tr>
<tr>
<td>Epilobium coloratum</td>
<td>13</td>
</tr>
<tr>
<td>Eupatoriadelphus maculates</td>
<td>30</td>
</tr>
<tr>
<td>Ilex laevigata</td>
<td>17</td>
</tr>
<tr>
<td>Japanese honeysuckle</td>
<td>18</td>
</tr>
<tr>
<td>Leersia cryzoides</td>
<td>16</td>
</tr>
<tr>
<td>Lizard’s tail</td>
<td>26</td>
</tr>
<tr>
<td>Longleaf speedwell</td>
<td>37</td>
</tr>
<tr>
<td>Lonicera japonica</td>
<td>18</td>
</tr>
<tr>
<td>Mimulus ringens</td>
<td>3</td>
</tr>
<tr>
<td>Multiflora rose</td>
<td>10</td>
</tr>
<tr>
<td>Myrica cerifca</td>
<td>19</td>
</tr>
<tr>
<td>Narrowleaf plantain</td>
<td>21</td>
</tr>
<tr>
<td>New york ironweed</td>
<td>36</td>
</tr>
<tr>
<td>Nodding plumeless thistle</td>
<td>22</td>
</tr>
<tr>
<td>Parthenocissus quinquefolia</td>
<td>14</td>
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<tr>
<td>Phlox maculate</td>
<td>20</td>
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<td>21</td>
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<tr>
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<td>23</td>
</tr>
<tr>
<td>Purple coneflower</td>
<td>12</td>
</tr>
<tr>
<td>Purpleleaf willowherb</td>
<td>13</td>
</tr>
<tr>
<td>Rice cutgrass</td>
<td>16</td>
</tr>
<tr>
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<td>10</td>
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<td>24</td>
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<td>26</td>
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<tr>
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<td>27</td>
</tr>
<tr>
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<td>39</td>
</tr>
<tr>
<td>Shadbush</td>
<td>25</td>
</tr>
<tr>
<td>Smooth winterberry</td>
<td>17</td>
</tr>
<tr>
<td>Softstem bulrush</td>
<td>27</td>
</tr>
<tr>
<td>Solidago altissima</td>
<td>15</td>
</tr>
<tr>
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<td>29</td>
</tr>
<tr>
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<td>30</td>
</tr>
<tr>
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<td>31</td>
</tr>
<tr>
<td>Swamp milkweed</td>
<td>5</td>
</tr>
<tr>
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<td>23</td>
</tr>
<tr>
<td>Symphiotricum ericoides</td>
<td>32</td>
</tr>
<tr>
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<td>15</td>
</tr>
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<td>11</td>
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<td>33</td>
</tr>
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<td>8</td>
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<td>37</td>
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<tr>
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<td>14</td>
</tr>
<tr>
<td>Vitus vulpine</td>
<td>38</td>
</tr>
<tr>
<td>Wax myrtle</td>
<td>19</td>
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<tr>
<td>White aster</td>
<td>32</td>
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<td>20</td>
</tr>
<tr>
<td>Winter grape</td>
<td>38</td>
</tr>
<tr>
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<td>39</td>
</tr>
</tbody>
</table>