**Stages of Plant Growth**

1. Sprout
2. Seedling
3. Vegetative
4. Budding
5. Flowering
6. Ripening

* Only focusing on first 3 stages

**Bozeman**

* **Evolution:** <https://www.youtube.com/watch?v=X4L3r_XJW0I>
* **Structure:** <https://www.youtube.com/watch?v=zHp_voyo7MY&t=400s>
* **Nutrition:** <https://www.youtube.com/watch?v=bsY8j8f54I0>
* **Control Hormones:** <https://www.youtube.com/watch?v=HdwIcIkSoBY>
* **Chloroplasts:** <https://www.youtube.com/watch?v=jTnNGIx5-P8>
* **Fungi Phylogeny:** <https://www.youtube.com/watch?v=dj9m7Oc36wM>

**Crash Course**

* **Vascular Plants:** <https://www.youtube.com/watch?v=h9oDTMXM7M8>
* **Reproduction:** <https://www.youtube.com/watch?v=ExaQ8shhkw8>
* **Fungi:** <https://www.youtube.com/watch?v=m4DUZhnNo4s>
* **Plant Cells:** <https://www.youtube.com/watch?v=9UvlqAVCoqY>
* **Photosynthesis:** [https://www.youtube.com/watch?v=sQK3Yr4Sc\_k](https://www.youtube.com/watch?v=sQK3Yr4Sc_k&list=PL3EED4C1D684D3ADF&index=8)
* **Fungi Abilities:** <https://www.youtube.com/watch?v=rcIL2ywmjsQ>
  + 4:43 - cyclosporin (suppresses immune system, allows for organ transplant)
  + Plants and monsters grafted together using cyclosporin? (Nutrients of plant used to develop undead monster)
* **Intro to Fungi:** <https://www.youtube.com/watch?v=VVuYGkk_I8s>
* **Mushroom Gardening:** <https://www.youtube.com/watch?v=OMRgWEKe51k>
* **Strangler Fig:** <https://www.youtube.com/watch?v=WrAvMukHlec>
* **Spring-Loaded Plant:** <http://blogs.discovermagazine.com/inkfish/2018/02/09/when-hummingbirds-visit-this-flower-pops-open-like-a-jack-in-the-box/>
* <https://asknature.org/strategy/spring-loaded-flowers-ensure-pollen-dispersal/>
* Mistletoe
* Heliconia wagneriana stamen
* <https://www.researchgate.net/publication/321578625_The_jack-in-the-box_stamens_of_Heliconia_wagneriana_Heliconiaceae>
* Sclerenchyma - permanent tissue that makes plants stiff
* **Hardest Woods:** <https://www.wood-database.com/wood-articles/top-ten-hardest-woods/>
* Guadua bamboo - strongest bamboo
* **Mummy Berry Disease:** <https://www.apsnet.org/edcenter/disandpath/fungalasco/pdlessons/Pages/MummyBerry.aspx>
* Lithops - rock plants
* Syntrichia caninervis
* **Desert moss that sucks water out of air:** <http://thescienceexplorer.com/nature/desert-plant-sucks-water-right-out-air>
* **Indian Pipe Flower:** <https://www.youtube.com/watch?v=-YZk2lJBsfw>
* Monotropa Uniflora
* Indian pipe flower does not give anything in exchange for nutrient; only takes
* Takes nutrients from members of the Russulaceae family
* **“Plant” for Dullahan or Demon** <https://en.wikipedia.org/wiki/Acrasidae>
* “I am legion”
* <https://en.wikipedia.org/wiki/Dictyostelium> -Slime Molds link
* **Possible Dullahan Plant** [**https://en.wikipedia.org/wiki/Prunus\_spinosa**](https://en.wikipedia.org/wiki/Prunus_spinosa)
* Connected mythologically in ireland to unseelie fae and the elderly through walking sticks.
* Dullahan is an irish unseelie fae who is basically the grim reaper.
* Kelpie - water horse that pulls people under water
* Combine with plant that tangles and drowns people?