

*CSTA 2012*

# Grocery Store Botany: Integrating Plant Sciences into the Classroom

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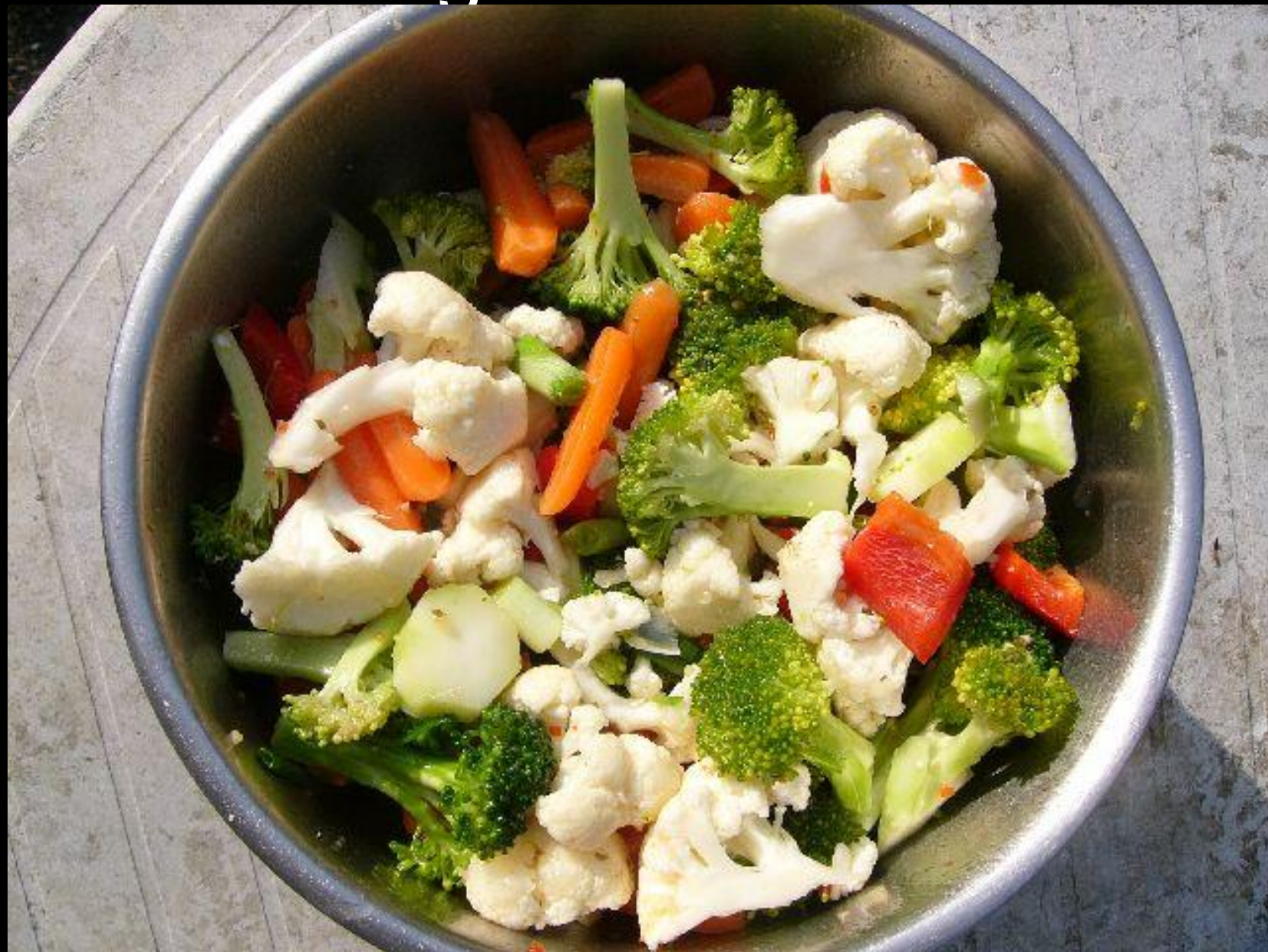
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# Vegetable Salad



What's a Fruit?  
What's a Vegetable?

# What are Examples of Edible Roots?



# Roots



Carrot, *Daucus carota*





Radish, *Raphanus sativus*





Parsnip, *Pastinaca sativa*



Turnip, *Brassica rapa*





Rutabaga, *Brassica napus*



# What are Examples of Edible Stems?

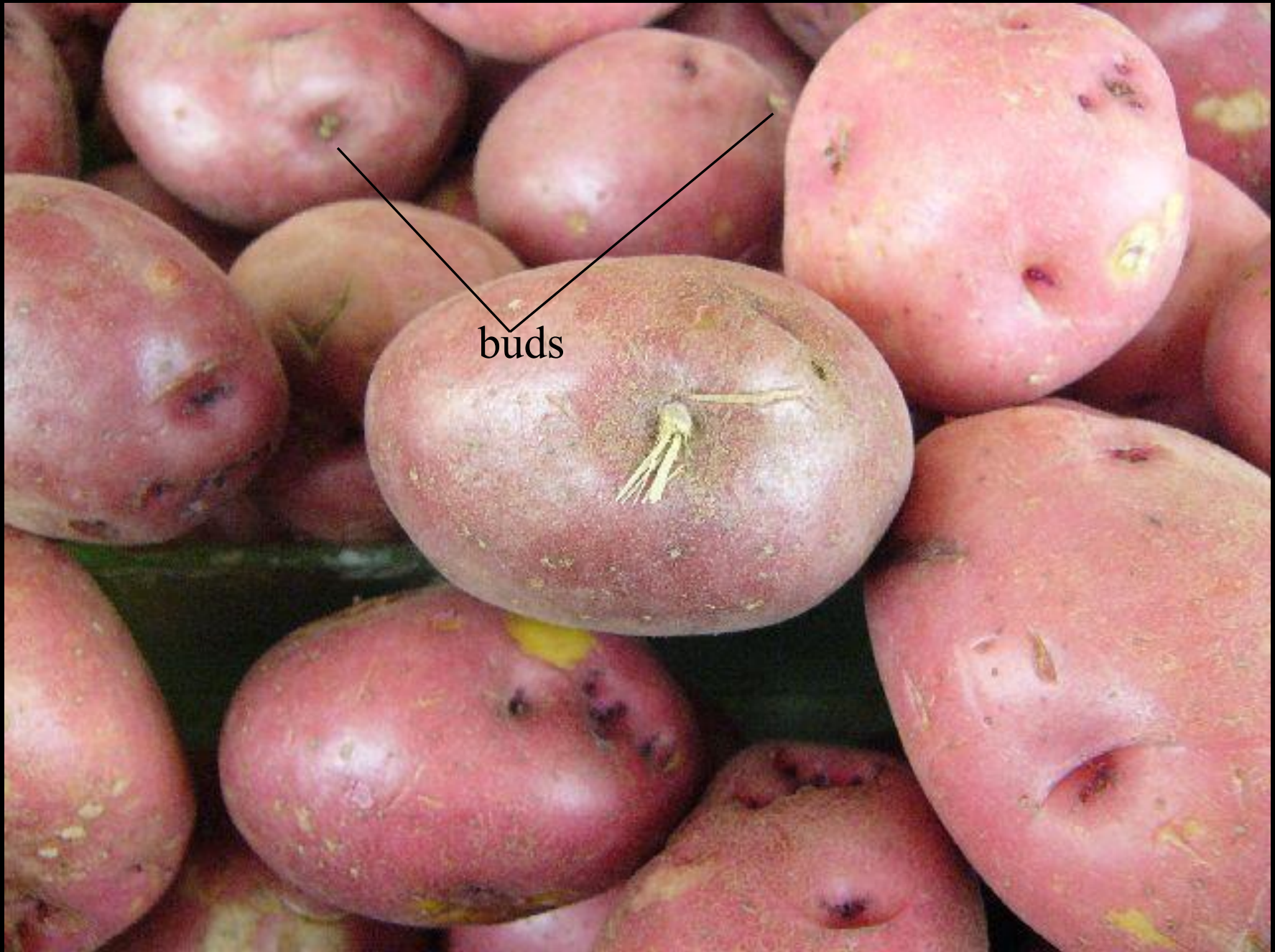


Asparagus, *Asparagus officinalis*





Potato, *Solanum tuberosum*





Jerusalem Artichoke, *Helianthus tuberosus*



germinating  
shoots and  
roots

buds

# What are Examples of Buds that We Eat?





Cabbage, *Brassica oleracea*



Brussels Sprouts, *Brassica oleracea*





Can You Think of Flowers that  
We Eat?

Broccoli, *Brassica oleracea*







Cauliflower, *Brassica oleracea*

# What's a Fruit?





Bell Pepper, *Capsicum annuum*







*Tomato, Lycopersicon esculentum*





Green Bean, *Phaseolus vulgaris*

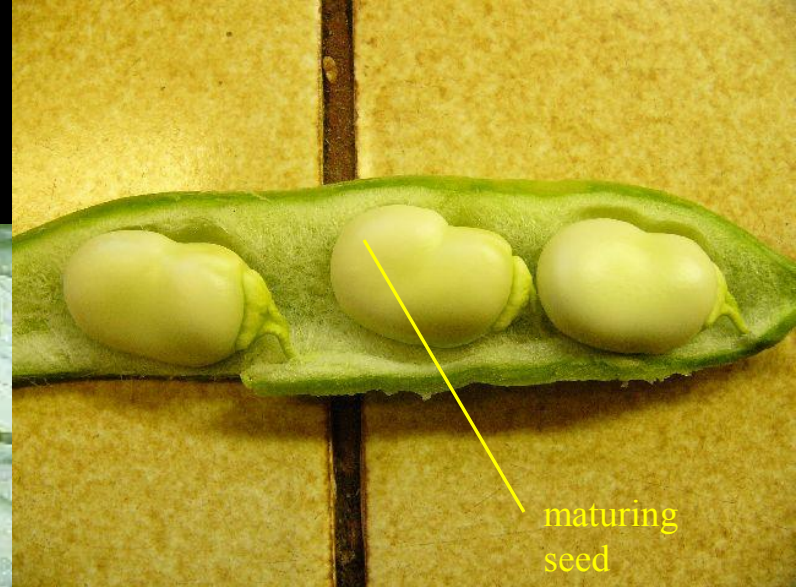
# What Seeds do We Eat?



Faba Bean or Horse Bean, *Vicia faba*







maturing  
seed

maturing  
ovary

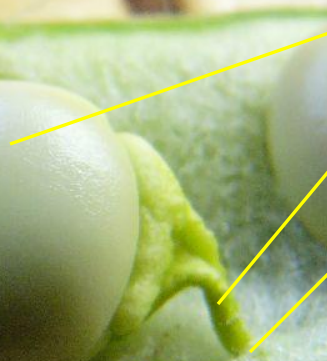




seed coat

funiculus

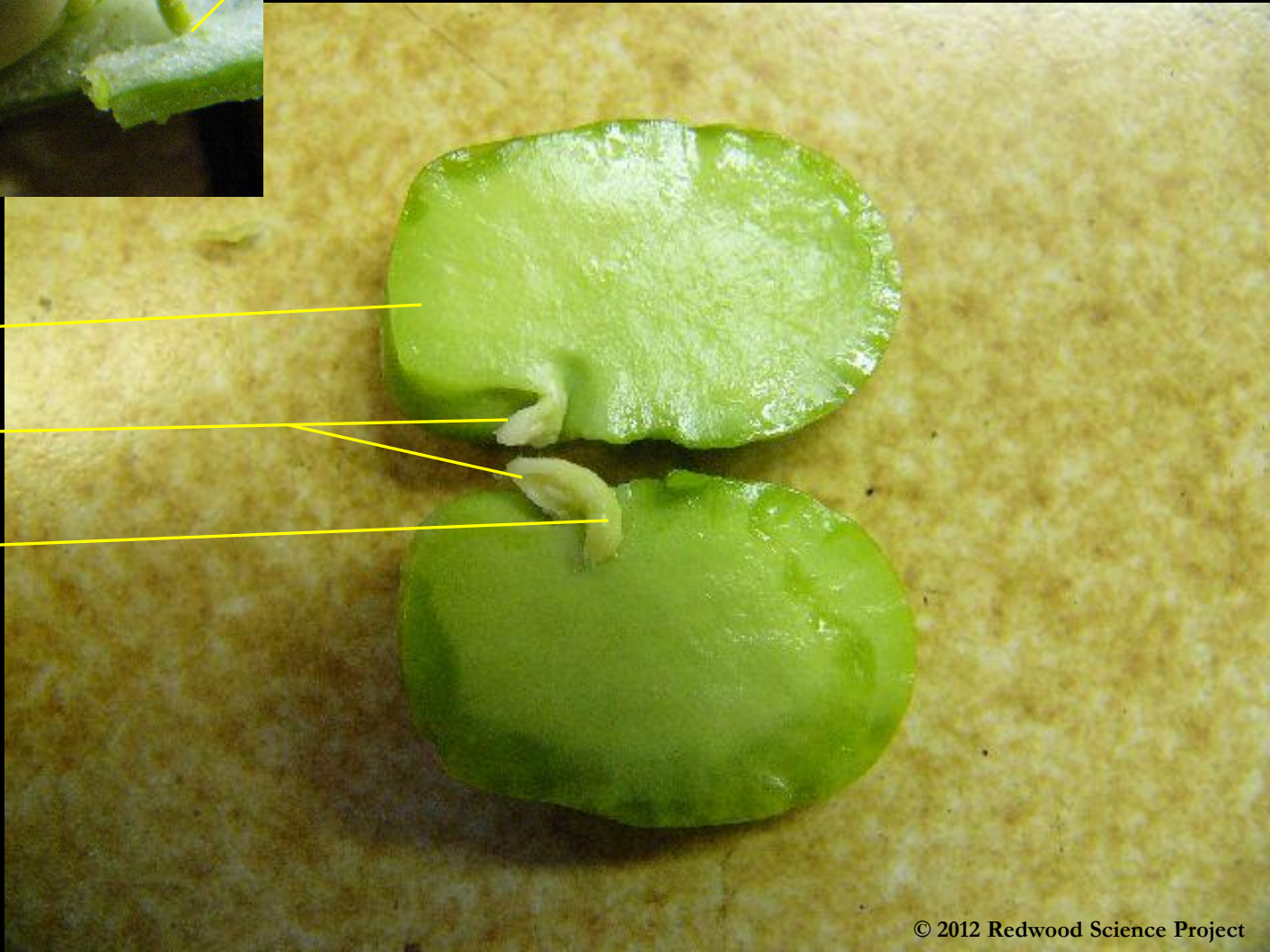
placenta



cotyledon

epicotyl

hypocotyl





Pistachio, *Pistacia vera*

seed

endocarp = inner fruit wall







Peanut, *Arachis hypogaea*



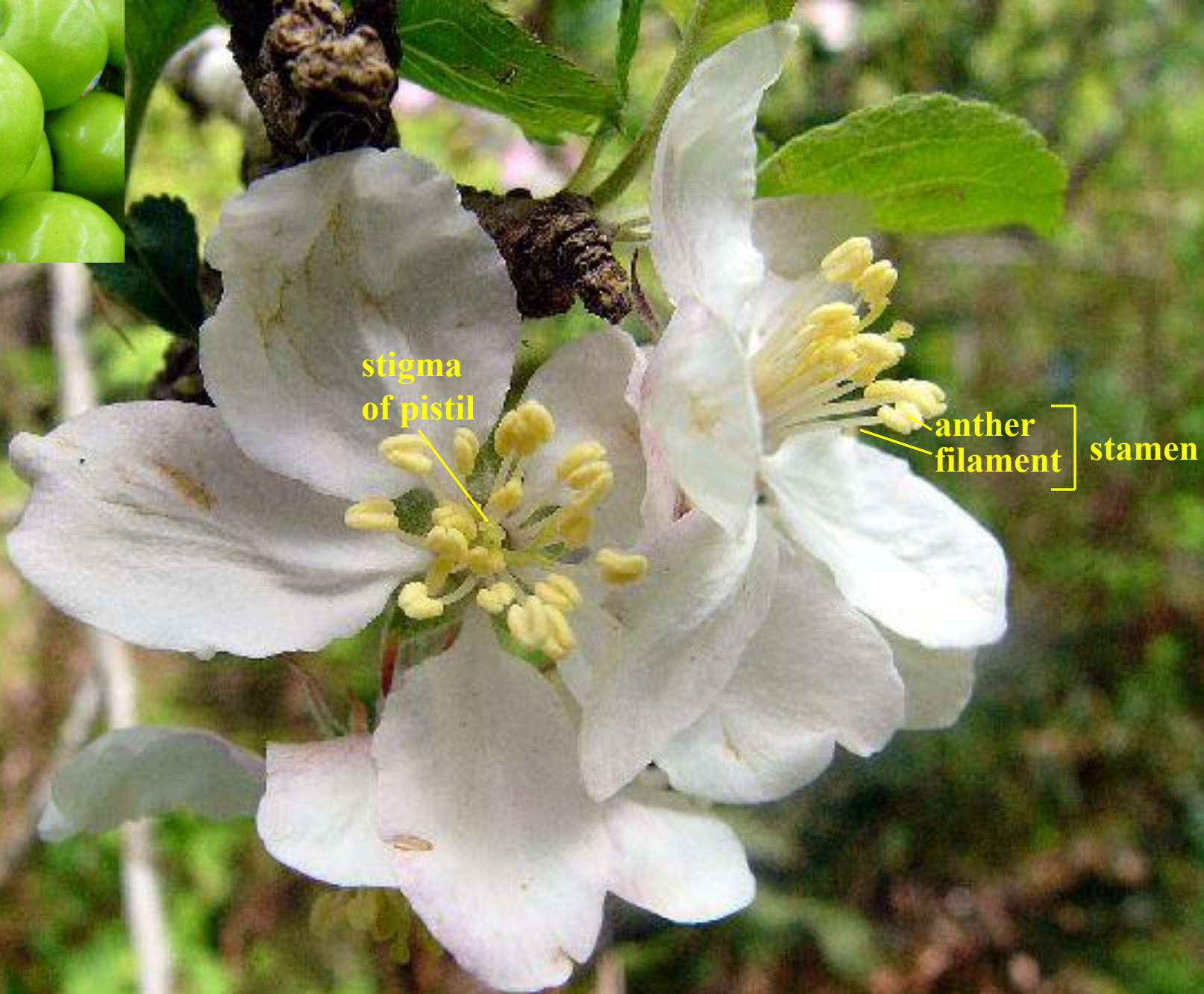




# *Prunus* spp. – Almonds, Apricots, Cherries, Peaches, Plums





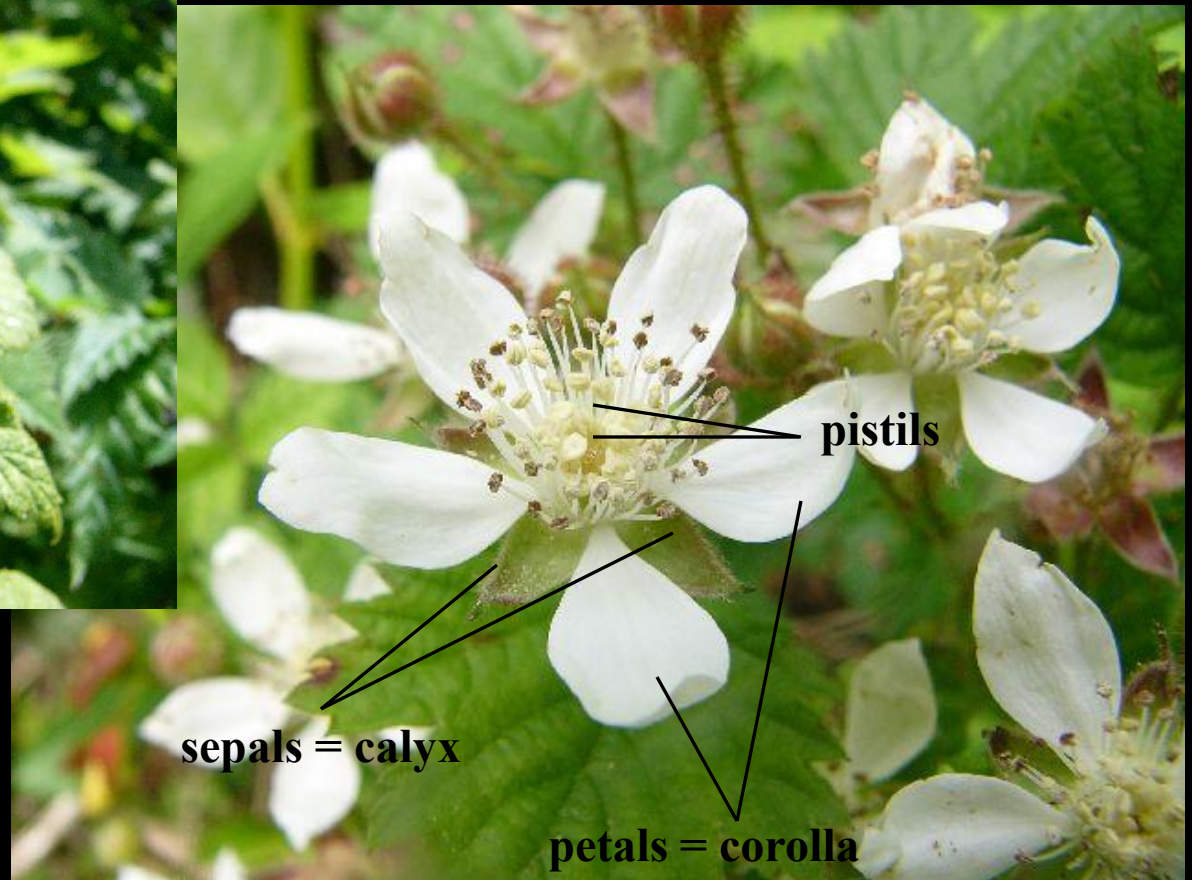


Apple, *Malus* sp.



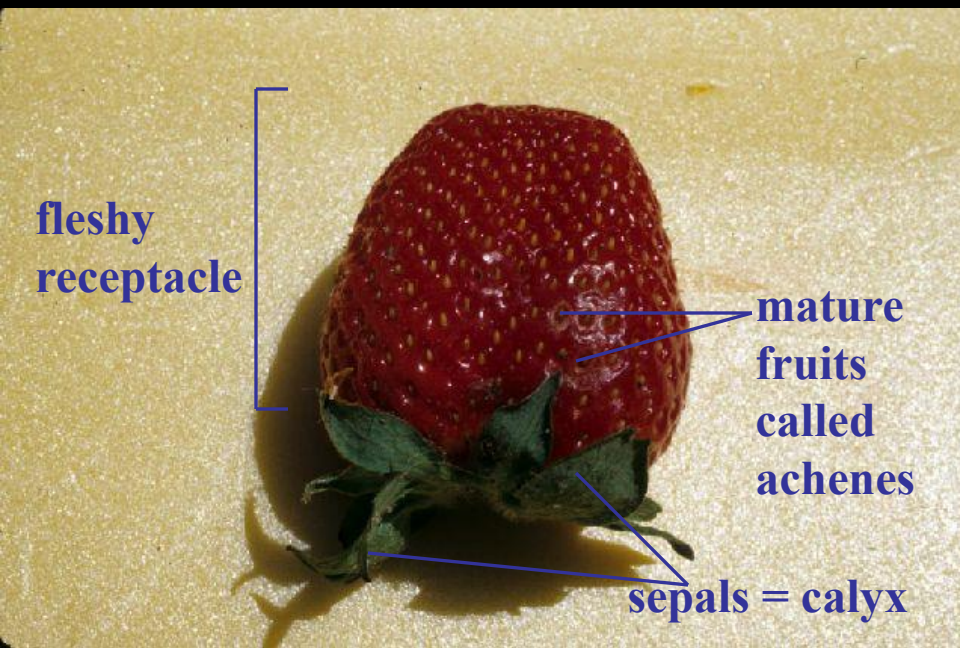
**fleshy pistils (maturing  
fruits) each with an  
emerging style**

Raspberries or Blackberries, *Rubus* spp.









Strawberries, *Fragaria* spp.







Language Arts  
and  
Grocery Store Botany

Mathematics  
and  
Grocery Store Botany:

Fibonacci Numbers



































Materials will be available on the  
**Redwood Science Project** website  
the middle of next week  
[www.humboldt.edu/rsp](http://www.humboldt.edu/rsp)

Thank you!