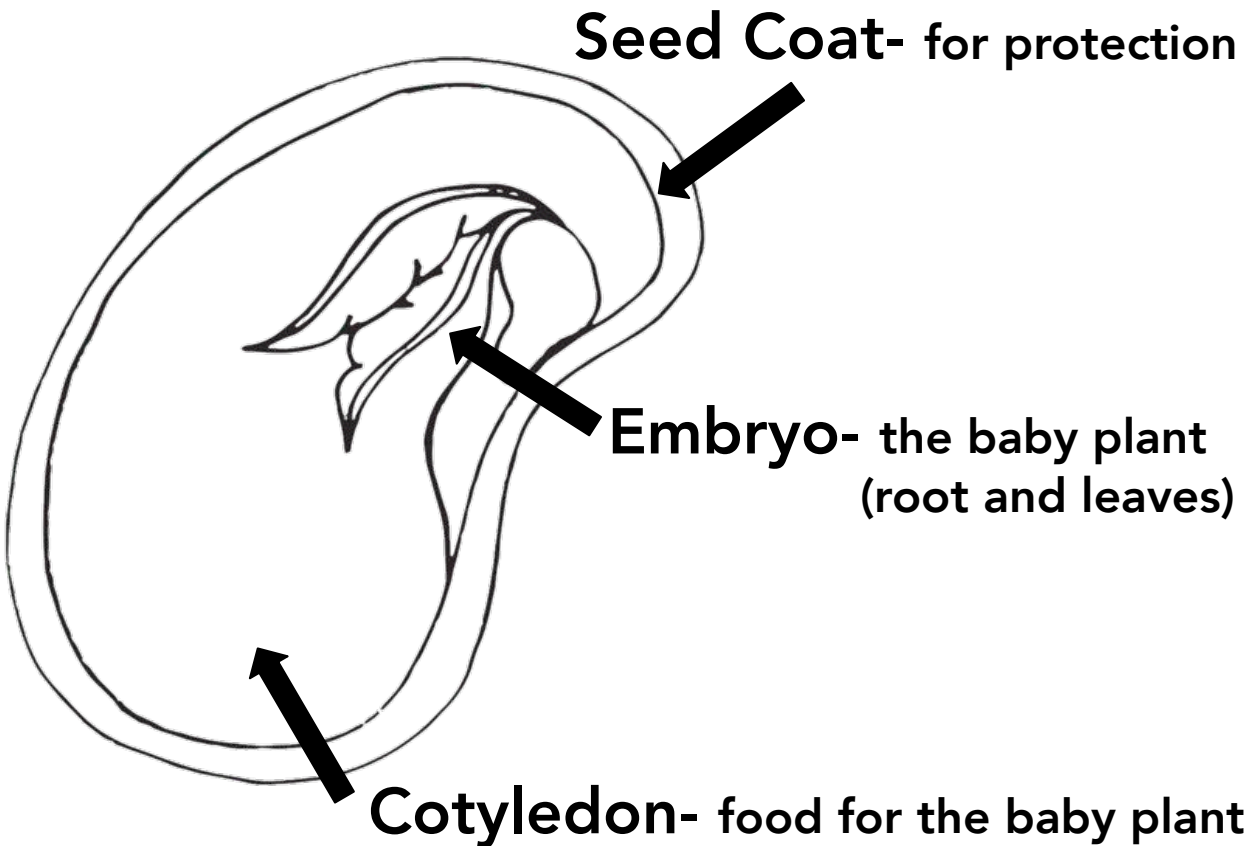


Seeds

Seeds are baby plants.

Soak a bean seed overnight, then peel it apart.
Can you find the three parts of the seed?



Seeds

Plants can't move, but Seeds can!

Look at the seed cards on the next pages to learn how seeds move.

Take a bean seed and try to make it move like the seeds on the cards.



You will need:
A few bean seeds
Tape
Glue
Scissors

**Stuff from the junk drawer or recycle-
twisty ties, bits of plastic, paper or tissue paper, bits of cloth, yarn,
cotton balls, rubber bands, string, bubble wrap, etc.**

Animal Seed Dispersal- Zoochory

Endozoochory- Seeds found in a fruit that are eaten by animals.

If the seed is large, animals will eat the fruit and leave the seed.

If the seeds are small, animals eat the whole fruit and the seeds are pooped out.



Bird poop w/seeds

Large Seeds that aren't eaten



Osoberry



Plum



Snowberry



Rosehips



Blackberry

**Create your own fruit that animals will want to eat.
It should have many tiny seeds or one big seed inside!**

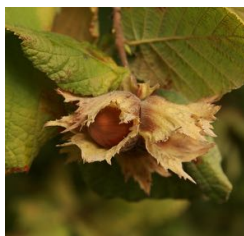


Animal Seed Dispersal- Zoochory

Seed Predators!- Seeds like nuts that are digested and destroyed when eaten.

Nuts are collected by mice, shrews, chipmunks, squirrels, even some birds.

The seeds that are eaten die, but some are buried and forgotten. These will grow. They all have a hard outer shell.



Hazelnut



Douglas-fir cone



Big-leaf Maple



OR White Oak acorn

**Create your own nut!
It should have a hard outer shell with a large seed inside.**



Animal Seed Dispersal- Zoochory



Myrmecochory- *Seeds moved by ants.*

They have a white oily part on each seed called elaiosome that ants eat.

The ants carry the seed to their nest, eat the elaiosome and throw the seeds outside to grow.



Trillium



Inside-out-Flower



Bleeding Heart

Create a seed that ants would like to take home.
It should have sticky white stuff on the outside.



Animal Seed Dispersal- Zoochory

Epizoochory- *Seeds that stick to animals.*

These seeds are carried by animals. They are called burrs.

The animals will pick the seed out of their fur, feathers or hair and drop the seed in a new place to grow.

These seeds are sticky or have tiny hooks all over them.



Pacific Snakeroot



Burdock



Wild Carrot



Cleavers



Hedge Parsley

Create a seed that will stick to things!



Seed Dispersal- Barochory

These seeds drop from the plant and bounce/roll.



These seeds can be found in fruit. Either the fruit or the seed is round. They can have a hard shell for rolling or a soft skin that will make them splat on the ground and scatter seeds.

Pacific Ninebark- the flowers start facing up and then turn down to drop the seeds.



Peas



Apple



Madrone

**Create a seed/fruit that can bounce, roll or go splat!
It should be round.**



Seed Dispersal- Anemochory

Some are attached to fluff or they are small like dust so they float in the air.

Seeds that can fly or glide.



Thistle



Salsify and Dandelion

Some have wings for spinning as they fall- like a helicopter.



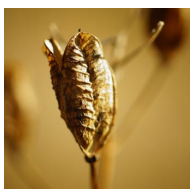
Big Leaf Maple



Incense Cedar



Oregon Ash



Some seeds are shaken out of a pod by the wind.

Camas Seed Pod

Create a seed that can fly, glide or float in the air.



Seed Dispersal- Hydrochory

Seeds that float on the water.



Monkey flower



Cottonwood



Coconut

Create a seed that can float in the water.



Seed Dispersal- Ballochory

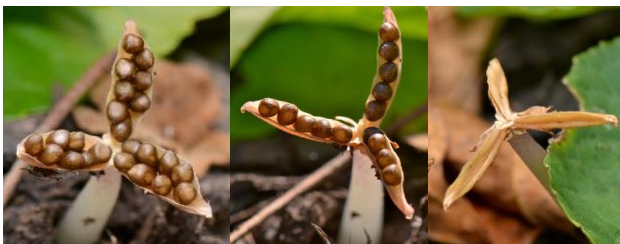
Seeds that are flung away from their pod by force.



Scotchbroom- the drying pod splits open and twists, sending the seeds flying.



Shining Geranium- Seeds are flung by little cups that split and curl up like a chuckit for a dog!



Violets- the seeds shoot out as the pod slowly dries and closes.

Can you make a pod that will fling it's seed far away?

