Science Project 2019

WBCC preschool 6

Growing Cherry Tomato from seeds.

Intention:

1: Children and teachers cooperate in hands-on science project, to research and learn together.

2: Children see how the seeds grow into plants, and learn names and functions of plant parts.

3: Children take care of plants with their own hands.

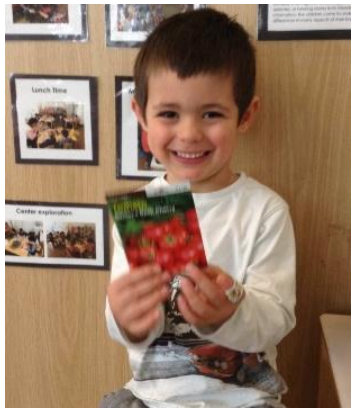
4: Children use their senses to see, smell, touch, and taste tomatoes.

5: Children pick tomatoes from the tomato plants to eat fresh tomatoes from the Children's Garden.

Science Project:
Planting Cherry Tomato Seeds

March 25, 2019

Tomatoes are one of the most popular fruits in the world. We often think of tomatoes as vegetables, but they are really fruits (berries). There are over 7500 varieties of tomatoes. The tomato plant originated in Peru and was grown in Mexico by the Aztecs.



We made a soft soil bed for baby tomato seeds in the planter. It was our first time using a garden shovel to put soil into the planter box. Then we used our fingers to poke many holes in the soil bed, and pinched small tomato seeds and dropped them into the holes. After that, we covered the tomato seeds with soft soil blankets . Later on, we watered the tomato beds.

Science Project:

March 2019

After we planted cherry tomatoes, we said, "Cherry tomato, cherry tomato, please grow up!" then we watered them every day. Some days were very cold, and some days were very warm.

Science Project:

WATER,
WATER
AND
MORE WATER!

April 2019

It was still cold outside so we kept the tomato planter inside next to the big window, so that they could get sun light all the time. Our classroom gardener used a green watering can to water them every day.
But on some warm days, we put the plants outside to get more direct sun light, and watered them every day. One day, we found many little sprouts were growing inside the planter.

Science Project:

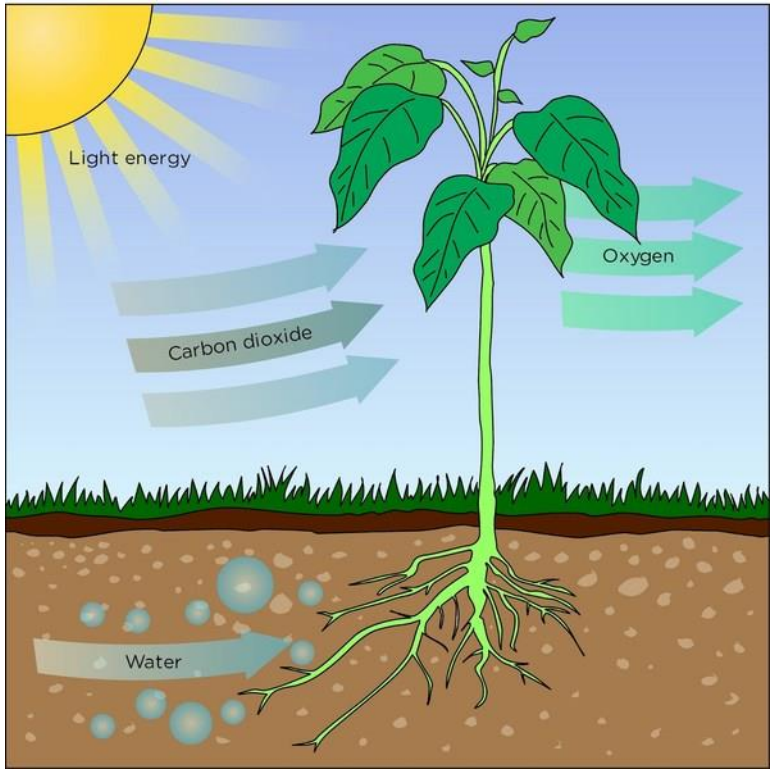
How do you grow Cherry Tomatoes?

April 2019

It's smells like tomato.

I can see the roots!

Science Project:



Classroom discussion . . . What does a Tomato need to grow ?
Children said: " Sun, sunlight, dirt (soil), rain, water, wind, and air.
One of our friends said:" We need a shovel and watering can! "

April 2019

Science Project:

April 2019

We thought that our baby Tomato sprouts need more space to grow and a nice soil bed (like a baby crib to a child bed)
so one sunny April day, we used our strong muscles and our gross motor skills to weed out all the weeds from our playground garden.

It was a warm day,
we got sweat a lot!

Weeding our Garden

Great job, Volunteer boys!!!

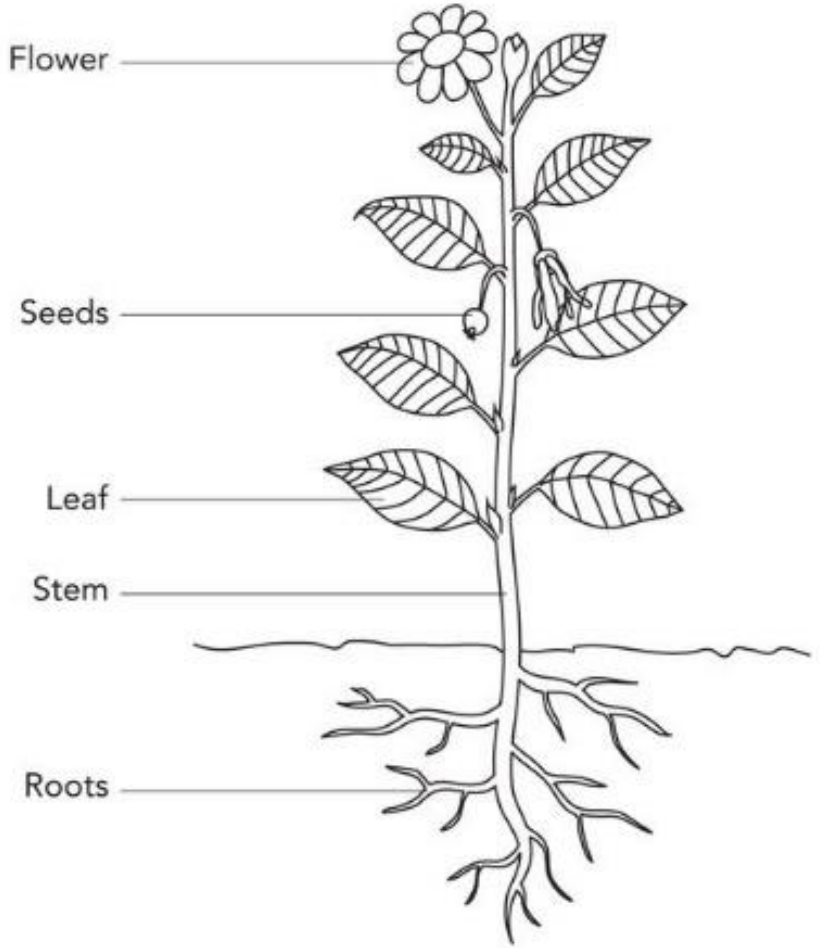




Science Project:

May 2019

What do you call the different parts of the Tomato plant ?



We learned about plant parts: Roots, Stem, Leaf, Seeds, Flower, Also Sprouts, Buds, and Tomato fruits.

Science Project:

How do you grow Cherry Tomatoes bigger?

Each child used their fine motor skills to transfer the16 tomato plants from planter boxes to our big garden space. We planted them one foot apart.

May 21, 2019

Science Project:

May 2019

Some of our friends found the green tomato buds.

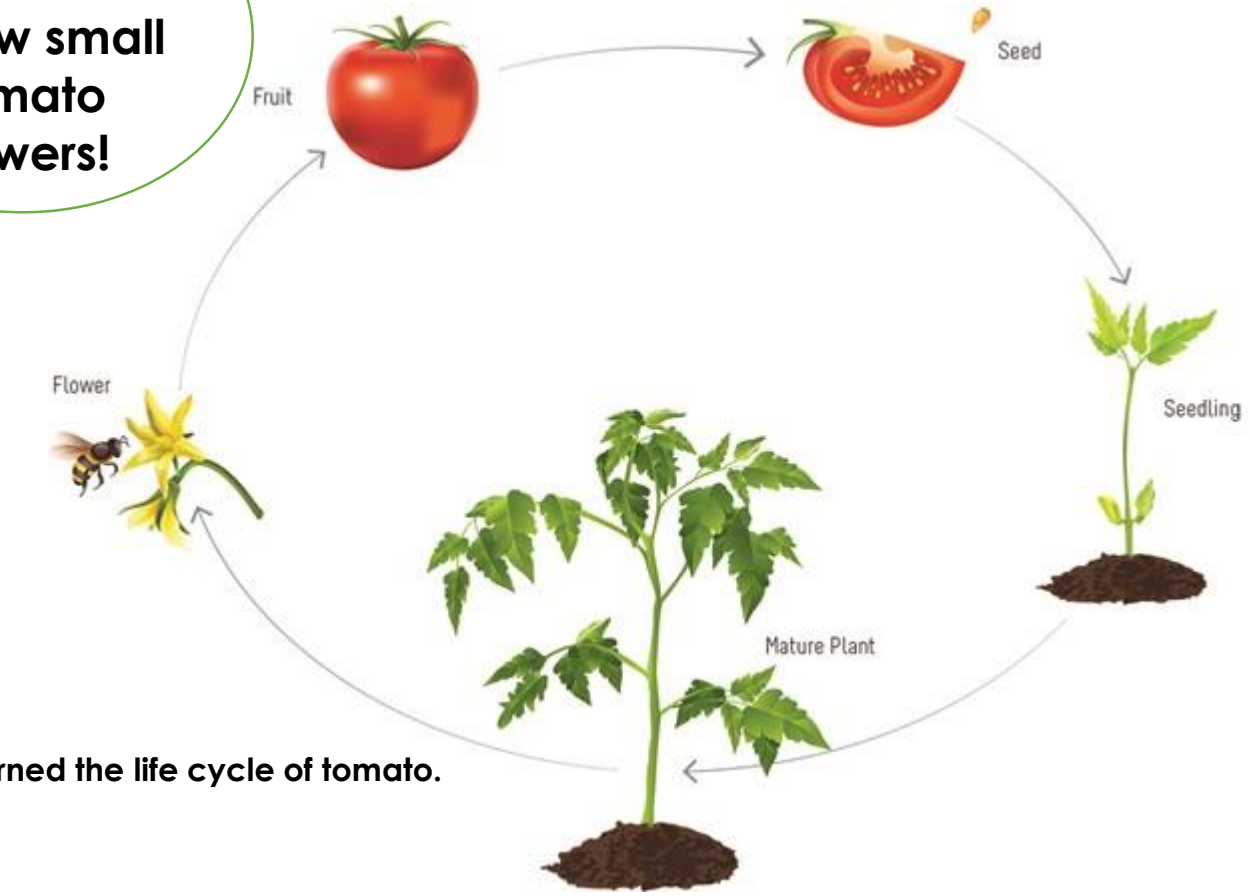
The tomato plants grew tall and we were worried they would fall over, so we researched a way to prevent this by attaching the plants to bamboo poles.

Science Project:

June 2019

Look at these! yellow small tomato flowers!

LIFE CYCLE OF TOMATO



We learned the life cycle of tomato.

Science Project:

June 2019

Older classroom children helped us make the "WBCC Children's Garden," with "Carrots, Pumpkins and Tomatoes." Also our little friends picked some Tomato flowers so we created signs with recycled tubes and plastic plates, saying "Please be nice to the Tomatoes' and "Please don't pick our plants."

Science Project:

June 2019

Look at this beautiful WBCC garden!

During morning combined classes time, early arriving friends wanted to be fire fighters and water the tomato plants in the morning every day.

Science Project:

June and July 2019





First Harvest Time !

The yellow flowers changed into green tomatoes, then the green tomatoes turned yellow, the yellow tomatoes turned orange, then finally the orange tomatoes turned red, and were ready to harvest!





Science Project:

July 2019

Suddenly a big storm came …..

But…Our tomato plants were strong and tough so they survived and we were able to harvest them.

July 2019

Science Project:

Tomato picking was so much fun!

Let's wash them and eat them!

Yummy!






Science Project: Harvest Time is the Best time!

We welcomed friends from all classes to pick all the red ripe tomatoes! They enjoyed picking!

June and July 2019







Sharing Tomatoes with families.

How did your tomato taste? Was it good? Was it juicy?

July 2019

Each child picked cherry tomatoes with their parents in the morning and they ate the tomatoes together. Also, we shared the fresh picked tomatoes with friends, parents, and teachers from all the other classrooms. "Bon appetit!"

Science Project:

Results of extended project on bugs and insects.
The children were so curious!

Dr. BUG! He knows all the kinds of bugs and insects. He can catch them and touch them.

Two kinds of Dragonflies!

Baby centipede

Roly- poly

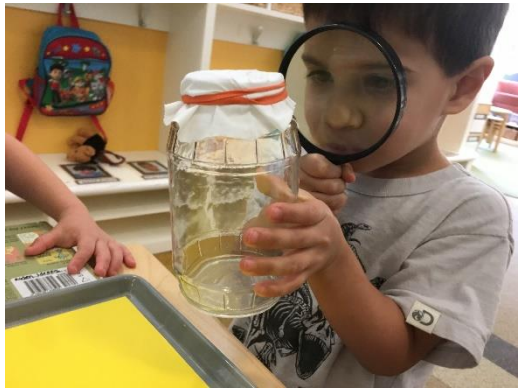
Welcome to WBCC Children's garden!

These are our guests this year.
Insects and bugs, bugs, and more bugs!

Tree Hopper

He is very brave!

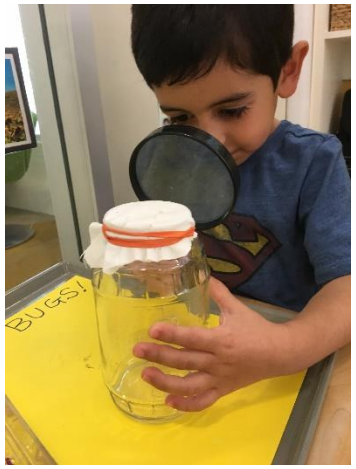
Butterflies



Science Project:
Extended project results

Children observed many real bugs with our naked eyes or with magnifying glasses. We also read many books on bugs, and researched many kinds of bugs and insects. Then we enjoyed pretending to be bugs and learned a lot of knowledge about bugs and insects.

July and August , 2019



Dr. Bug shared with us a real cicada and a husk of cicada.

Every day, we chose a bug or an insect and researched it in the National Geographic bugs for kids book. Then we pretended to be tree hoppers, bumble bees, and praying mantises.

Science Project:
Extended project Art:

Tomato drawing and pretending to bite.










Butterfly Painting

Children used fine motor skills to paint symmetrical butterflies then created toy butterflies and flyed them on the playground.







Dragonfly craft

Children colored three craft sticks then glued them together to make dragonflies. After that we played outside.

Science Project:
Extended project Music:

Children love music so we sang and danced to the "Bugs Song For Kids."

Lyrics:

Bugs, Bugs, Bugs

B! U! G! S!
Bugs!
I like bugs, bugs, bugs,
buggy bugs.
Bugs!
I like bugs, bugs, bugs,
buggy bugs.
Bugs!

I like the honeybees
and butterflies.
I like the crickets
for their shiny eyes.
I like the ants
and grasshoppers, too.
I like all the bugs.
How about you?
I like the caterpillars
and ladybugs.

I like to watch them
crawling on the leaves.
I like the spiders
and dragonflies.
I really like them.
How about you, guys?
I like bugs, bugs, bugs,
buggy bugs.
Bugs!
I like bugs, bugs, bugs,
buggy bugs.
BUGS!

Conclusion:
Children succeeded in growing the cherry tomatoes and learning about bugs and insects. Therefore, they achieved our goals and through this hands-on experiential learning, they learned about many things like how we grow like tomato plants (from seeds to big plants = from baby to big kids) and, about many kinds of bugs and insects without fear or prejudice.