



**Chocolate**



**Love:** singing, whistling, humming, tapping feet and hands, listening

**Need:** sing-along time, trips to concerts, music playing at home and school, musical instruments



**Linguistic**

**Love:** reading, writing, telling stories, playing word games

**Need:** books, tapes, writing tools, paper diaries, dialogues, discussion, debate stories



**Interpersonal**

**Love:** reading, organizing, relating, manipulating, mediating

**Need:** friends, group games, social gatherings, community events, clubs, mentors/apprenticeships

**Love:** designing, drawing, visualizing, doodling

**Need:** art, LEGOs, video, movies, slides, imagination games, mazes, puzzles, illustrated books, trips to art museums



**Spatial**

**Love:** dancing, running, jumping, building, touching, gesturing

**Bodily-Kinesthetic**



**Need:** role play, drama, movement, things to build, sports and physical games, tactile experiences, hands-on learning

# MULTIPLE INTELLIGENCES

developed by:  
DR. HOWARD GARDNER

**Logical-Mathematical**

**Love:** experimenting, questioning, figuring out puzzles, calculating



**Need:** things to explore and think about, science materials, manipulative, trips to the planetarium and science museum

**Intrapersonal**

**Love:** setting goals, meditating, dreaming, being quiet

**Need:** secret places, time alone, self paced projects, choices



# How did this project begin?

Whilst doing different activities, we ended up talking about different foods and where the fruits came from. Some of our children raised the question “Can we grow chocolates?” and this is how it all started. We decided to watch a few clips on how chocolates are made and where do they originally come from. The children saw a short clip on how cocoa beans look and how they are picked and used in the process of making chocolates.



# How chocolate takes shapes.

We decided to melt dark cooking chocolate with our children to help them understand how chocolates take shapes and how we can add other ingredients to our chocolates. We therefore went thorough the melting process first and they saw the liquid form of chocolates and then we sliced bananas. We poured the chocolates in the molds and popped our banana slices in the middle and froze them. Here the children observed how we can bring something to solid and liquid form and reverse the process.



# Making brownies

We aim to do different activities using chocolates, we therefore decided to make brownies, using melted chocolates. This gave our children an idea or extended awareness that one ingredient can be used in many ways. As usual we love cooking and specially if we are using chocolates; which is one of our favorite ingredient



# Making marks with chocolate.

Every time your finger makes a line, you are making a mark. It is a fundamental element in making any type of art and it is how we begin to express emotion, movement, and other concepts, we wish to convey in an artwork. The reason we called this a mark making activity is because we observed our children creating different lines, patterns and textures which created a beautiful art piece on our light table. It is easy to think of a mark as a building block for whatever you choose to create: A single mark creates a dot. An extended mark becomes a line. A cluster of marks become a shape. A series of repetitive marks become a pattern.



# Squeezing chocolate sauce

We enjoyed observing how our children created different lines, patterns, how they would squeeze the chocolate bottle to release the required amount of chocolate, knowing how to twist and when to stop. This is all part of learning through play and having fun as well as learning new skills and becoming aware of our own potentials and abilities.



# Learning about colors and shapes through chocolates

We thought of introducing the famous “Quality street chocolate box” to our learning journey. One can imagine how excited the teachers as well the children could get after that box was opened. We wanted to collaborate shapes, colors and talking about corners. And there was no better means than this box of chocolates.



# Making chocolate sandwiches.



When children learn to prepare food, it does so many things for their self esteem.

- Their confidence grows.
- It gives them a sense of independence.
- It teaches them to make healthy choices within certain parameters.
- It reinforces the source of their food, and that it doesn't have to "come from a box".



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