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I have been gardening indoors for over five years, and I have enjoyed, throughout my professional career, teaching others how to garden in containers.

Your garden does not have to be gorgeous to grow food or produce well. But you must have to right plan, tools, setup, and systems.

- Rhea Brown

#IndoorGardenClass
MY MISSION

My mission as a master gardener and consultant is to deliver exceptional training, ideas and solutions for our community members living in urban areas become environmental stewards, value plants, and nature.
01 PLANNING & ORGANIZATION
- Garden journal and log
- Plant hardiness zones
- Indoor light factors
- Balconies and decks

02 OPERATIONS & BUILDING
- It all starts with soil
- Create potting soil mix
- Shopping list items and tools needed

03 PLANTING & GROWING
- Garden grow kits and indoor systems
- Plants for health, herbs, fruits, and vegetables
01 PLAN AND ORGANIZE
Add these fields to your planner: PLANT NAME, FAMILY, HEIGHT, SPACING, ADDITIONAL PLANTING

Add these fields to your planner: LOCATION, SEEDS INDOORS (WEEKS), TRANSPLANTING, SEEDS OUTDOORS

Add these fields to your planner: WATERING, MAINTENANCE (PESTS, HEALTH), SEED TOO HARVEST/FLOWER

Add these fields to your planner: HOW (INSTRUCTIONS), WHEN (WEEKS, APPEARANCE, INSTRUCTIONS)
HARDINESS
USDA ZONE MAP

- Plant growth is affected by heat, temperature, and chill factors
- Check catalogs and plant labels to find it
- A plant is "hardy" if it can withstand the average minimum temperature in that zone
**INDOOR FACTORS**

- Plants are sensitive to different colors of light than the human eye. Compared to a regular light source, the LED cultivation bulb has another color spectrum with more blue and red tones that help your plants grow and thrive.

- The cultivation bulb, combined with nutrition and water, gives plants everything they need to grow strong.

- You can grow plants indoors all year round, even if natural light is low.

- The LED light source consumes up to 85% less energy and lasts 20 times longer than incandescent bulbs.

**LIGHTING**

**Product dimensions**

- Color temperature: 4000 K
- Luminous flux: 800 Lumen
- Power: 10 W
When creating deck gardens in an apartment or condominium, consider your neighbors living below, and how you plan to water. One of the best container solutions will have proper drainage holes that you can then add a small cup to catch the excess overflow.
02 Operate and Building
it all starts with soil

light-weight

good drainage

plants can grow

holds

moisture

nutrition-rich

minerals

trace elements
the perfect potting soil mix

1/3
COCONUT COIR
GOOD DRAINAGE
LIGHT WEIGHT
PLANTS GROW EASY
NATURE MADE

1/3
VERMICULITE
HOLDS MOISTURE
HELPS LOOSEN SOIL
HOLDS WATER WELL
HELPS ROOTS GROW

1/3
COMPOST
NUTRITION-RICH
ALL THE MINERALS
TRACE ELEMENTS
NO FERTILIZER
shopping list of tools

- containers with drainage holes
- seeds or starter plants
- potting or seed starter mix
- compost or worm castings
- trowel, pencils, scissors
- toothpicks, popsicle sticks
- LED grow lights
- heating mat
- permanent marker
- storage container (2-5)
- journal, notebook, binder
- measuring cups, spray bottle
03 PLANTING AND GROWING
he who wants a rose must respect the thorns
GARDEN KIT SYSTEMS
**MICROGREENS**
Order your seeds, trays, lights:
20ml white vinegar
20ml hydrogen peroxide
1-litre water (10 minute soak)

**HERBS**
Culinary herbs like basil, cilantro, parsley, dill, thyme, and oregano can grow easily on your kitchen countertop, balcony, or windowsill.

**VEGETABLES**
Vegetables can be grown year round as long as you factor warm season tropical weather crops verses cool season crops.
**RESOURCES**

**SEEDS**
- SEED SAVERS EXCHANGE: www.seedsavers.org
- BAKER CREEK SEEDS: www.rareseeds.com
- TRUE LEAF MARKET: www.trueleafmarket.com

**START**
- SEED STARTING SCHEDULE CHART:
  http://www.johnnyseeds.com/growers-library/seed-planting-schedule-calculator.html

**KITS**
- EARTHBOX CONTAINERS: www.earthbox.com
- VICTORIO SEED SPROUTER: http://www.amazon.com
- CITY-HYDRO BALTIMORE: www.city-hydro.com

**GROUPS**
Architecture/Engineering firm as ranked by Building Design+Construction
THANK YOU FOR YOUR TIME.

We hope you enjoyed our presentation.

RHEA.

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