

Cause & Effect



Where does the concept of CAUSE & EFFECT show up in the kitchen & garden?

> Ecosystems plants with aphids bring lady bugs to the garden

watering vs not water plants. What happens

baking has lots of cause and effect

How much water plants need, What happens when water evaporates?

only watering plants vs using fertilizers

Different heat will cook food differently. e.g. Roasting, searing, grilling, steaming differences in measurements and how it affects dishes

cooking new recipes improves nutrition at home



Cross Cutting Concepts

Breaking down the NGSS crosscutting concepts















supports are needed? Do your plants climb?

Starting seeds in a greenhouse or indoors

creating a model of an irrigation system before installing

Planning & Carrying Out...



What might this practice look like in a school garden or kitchen?

testing soil temperatures to see how it affects seed growth

how should we try to raise or lower the tempuature of the seeds? How can we determine if an insect is diurnal or nocturnal?

water tests, Soil tests and plant tissue testing



composting

what happens to leaves when they fall on the ground? Observing and writing down observations/q uantities

Science & Engineering Proctices Breaking down the NGSS SEPs

Analyzing & Interpreting...

What might this practice look like in a school garden or kitchen?

color seek

what is the most common color you see? weather data

water recording

when do you think is the most rainy season? which months? HOw might soil structure affect plant growth?

Conducting experiments

analvzing Reading st soil samples

Counting # of observations



| Constru Expland | ucting ations & | What might this practice look like in a school garden or kitchen? | | | | |
|--------------------|--------------------|--|---|--|--|--|
| | | S | Building structure to support plants | | | |
| | Labelii plant | • | ask the wh on design of garden | | | |
| | | | | | | |

making garden/kitchen accessible for all children

How could you use this designe to build something else? Engaging in Argument from... organic vs local vs conventional growing

practices

What might this practice look like in a school garden or kitchen?



not agreeing with treatment of pests

Dryfarming or not

