



# MUFFIN DESIGN CHALLENGE

## BASICS

- goal is to limit gluten production
- once combined, bake immediately
- lumps=ok, overmixing=not!
- is a batter not a dough
- less sugar and fat than cake
- fill pan max  $\frac{2}{3}$  full
- no yeast = quick rise in oven
- use baking powder or b. soda to rise
- ratio of 2:2:1:1 flour:liquid:fat:egg



Name(s):

# Create

Wet  
Ingredients

Dry Ingredients

**Add** wet to dry  
ingredients  
**Mix just** until combined  
**Don't overmix!**

Ingredient list in metric

Preparation Method:

# Create

## COMPLIMENTARY FLAVOUR PROFILES

Ingredient

*Cayenne Pepper*

Flavour Profile

*Hot, Pungent, Bite, Foral*

Ingredient

*Dark Chocolate*

Flavour Profile

*Earthy, Roasted, Bitter*



# EXAMPLES OF COMPLIMENTARY FRUITS AND SPICES

**Apples** Allspice, Anise, Caraway Seed, Cardamom, Cinnamon, Cloves, Ginger, Nutmeg, Almond Extract, Lemon Extract

**Bananas** Allspice, Cinnamon, Ginger, Nutmeg, Rum Flavoring, Vanilla Extract

**Cherries** Allspice, Almond Extract, Brandy Flavoring, Cinnamon, Cloves, Mace, Mint, Nutmeg, Rum Extract, Vanilla Extract

**Cranberries** Allspice, Cinnamon, Cloves, Ginger, Nutmeg, Almond Extract

**Grapefruit** Cinnamon, Ginger, Orange Extract, Mint Extract

**Grapes** Allspice, Cinnamon, Cloves

**Melons** Cardamom, Ginger, Lemon, Mint or Mint Extract, Lime Extract

**Oranges** Allspice, Anise, Cinnamon, Cloves, Nutmeg

**Peaches** Allspice, Almond Extract, Brandy Flavoring, Cinnamon, Cloves, Ginger, Nutmeg, Rum Flavoring

**Pears** Allspice, Anise, Cinnamon, Maple Flavoring, Mint, Mint Extract, Nutmeg

**Pineapple** Cardamom, Cinnamon, Coriander, Nutmeg, Lemon Extract, Lime Extract, Mint Extract, Vanilla Extract

**Plums** Allspice, Almond Extract, Cinnamon, Cloves

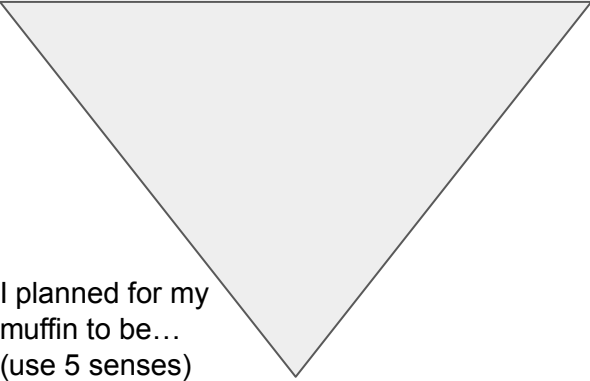
**Prunes** Allspice, Almond Extract, Anise, Cinnamon, Cloves, Ginger, Lemon Extract, Nutmeg

**Rhubarb** Cinnamon, Ginger, Nutmeg, Vanilla Extract

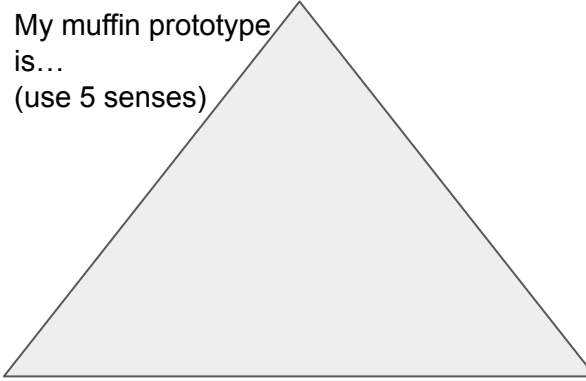
**Strawberries** Cinnamon, Vanilla Extract

# Assess

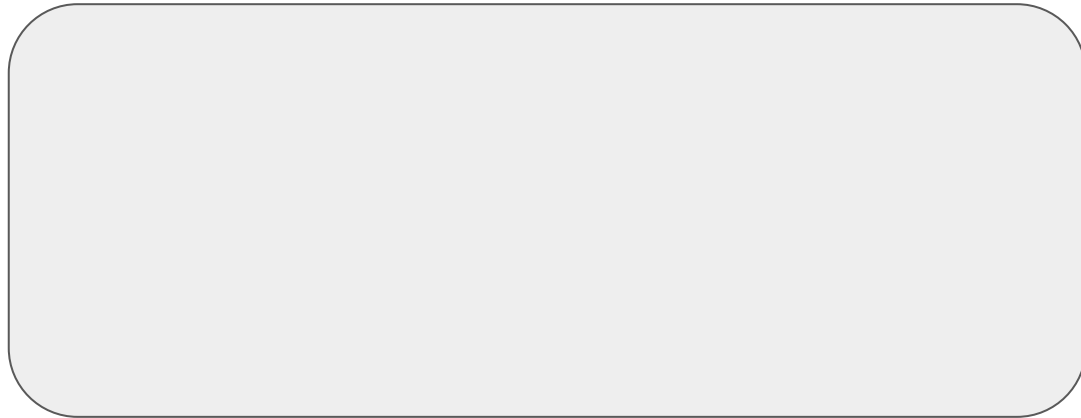
What qualities does your muffin have? Draw and/or describe



I planned for my muffin to be...  
(use 5 senses)



My muffin prototype  
is...  
(use 5 senses)



Which qualities are the same?  
Different?  
What could you do differently next time  
to improve?

# Share

I showed strength in the following skills:

I believe this because:



I would like to improve on the following skills:

The steps I will take to improve on those skills will be:

