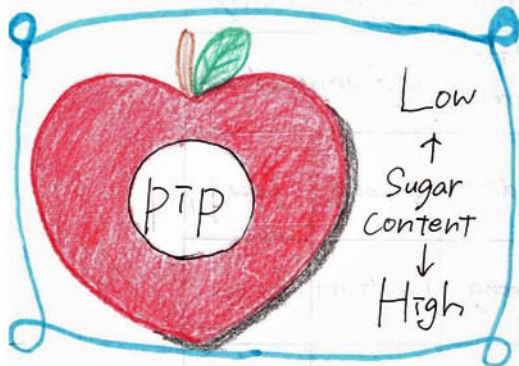


## Sugar content distribution



- The skin's sugar content is higher than the center.
- The bottom is sweeter than the top.

Information gathered from

<http://fruit-info.com/apple5/kingo36.html>

## Consideration

We plan to determine whether there are differences in taste and sugar content depending on the climate and soil where the apples are grown.

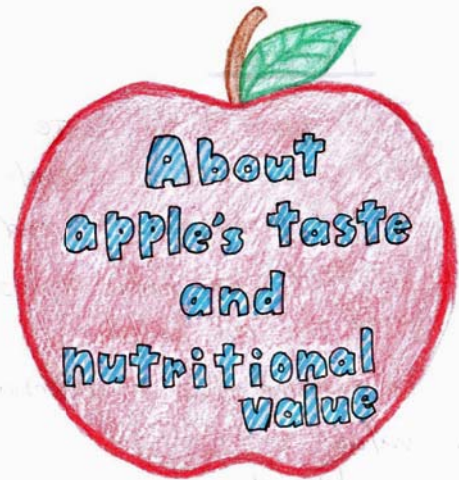
We plan to determine whether there are differences in effect on our health depending on apple's breed.

### Apple's Laboratory

Up to now they have developed over 40 breeds of apples.

There are apple museums.

They can know more details about an apple's history and characteristics.



Hirosaki Minami  
High School  
15 HR Group 5

Member

Dr. Apple  
Apple's Taste  
Nutritional Value  
History and Characteristics

## Purpose

- To examine if the taste and sugar content of apples are different due to breed.
- To find what makes apples good for our health.
- To examine their nutritional value.

## Hypotheses

- We think that the sugar content and taste will change due to the color, size and quantity of nectar from each kind of apple.
- We think that apples are good for our health because they promote longevity, prevent cold, and have a beautifying skin effect.

## Apple Characteristics

|          | firmness      | smell           | sweetness | acidity |
|----------|---------------|-----------------|-----------|---------|
| Jonagold | firm          | a little strong | medium    | medium  |
| Fuji     | a little soft | medium          | strong    | low     |
| Kougyoku | firm          | strong          | medium    | high    |
| Orin     | a little soft | medium          | strong    | low     |

Kinds of apples

## Nutritional Value

Dietary Fiber

improves the intestine's environment.

Potassium

helps to prevent high blood pressure

Organic Acid

boosts the metabolism and helps one recover from fatigue

Polyphenol

helps prevent cancer, aging, and arteriosclerosis