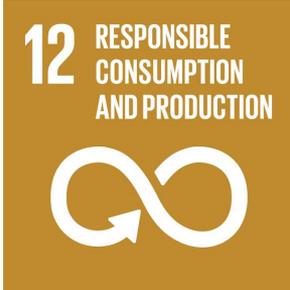




Keep the Mishima Station Clean

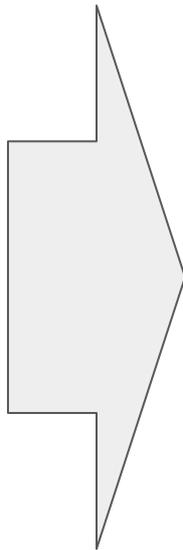
W201905-1

Shizuoka Prefectural
Mishima Kita Senior High School



Why Mishima Station?

- ① The closest to school
(7-minute walk to the school)
- ② Many users
(78386 /day)

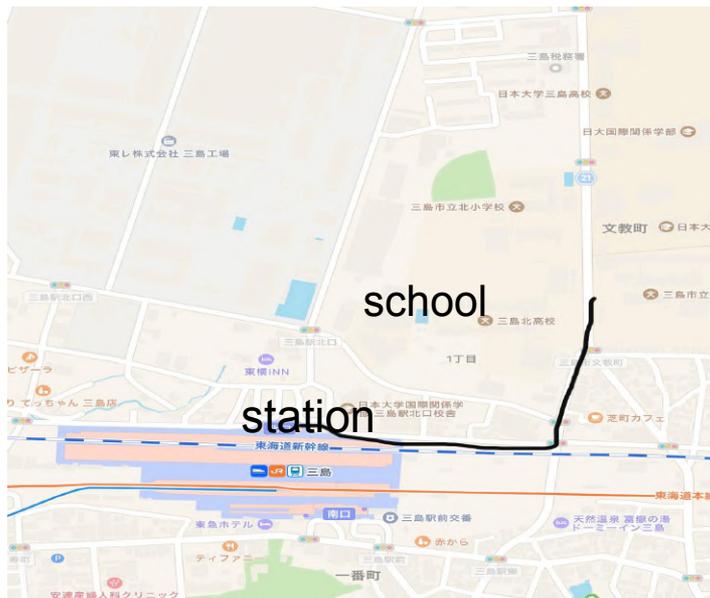


Big impact
on our life

But **starlings** bother us.



from Google map



Problems of starlings

★ Droppings

➔ Smelly and dirty

We cannot use the bench.



★ Noisy

➔ Loud singing noise

Noisiest time = 8 pm



a photo taken on 2021/8/24 8a.m.

Through the fieldwork

★ had a volunteer work

★ clean-up activity to remove the grass and dirt

★ Job time. 7:00-11:30 ★ too much work



It's exhausting



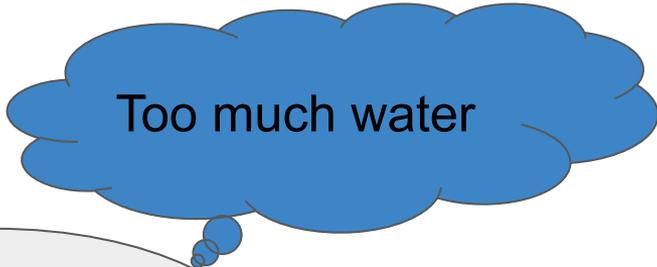
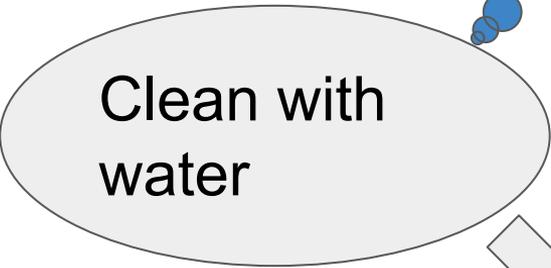
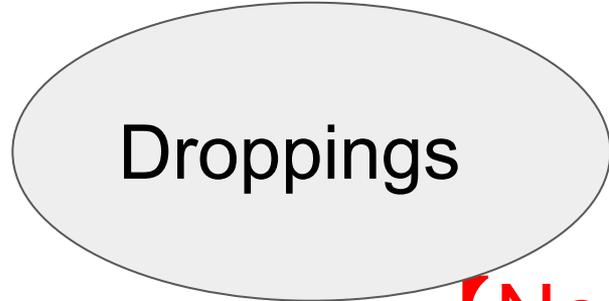
great
burden

cleaning staff

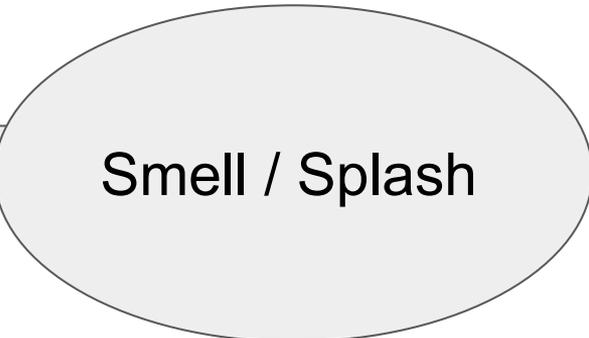
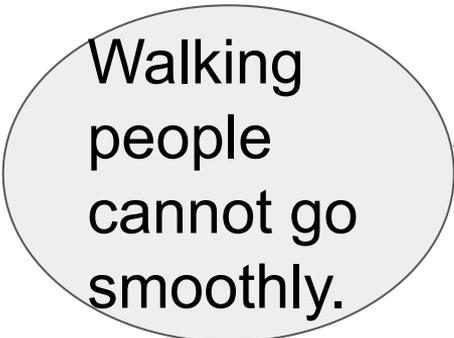
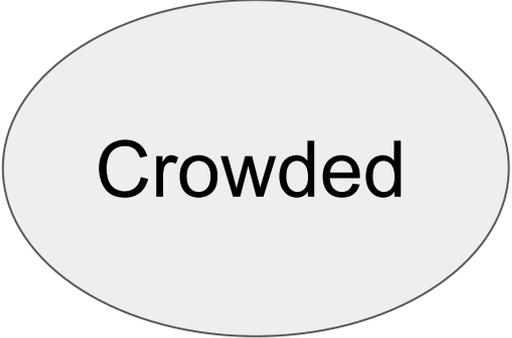
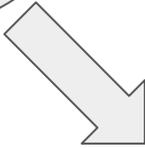


Present situation

Droppings make the station area dirty.
→ Hard to clean.

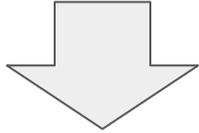


【Negative Process】



Cigarettes littering → also bothering cleaning workers !

caused by people



should / can be **prevented!**



- 46%



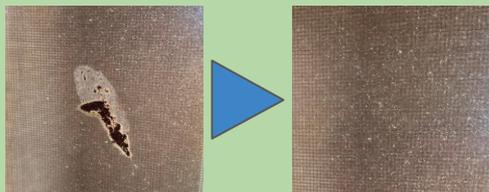
▲ voting bin in Europe

Best substance to remove the dirt?



Water Mildew detergent Dish detergent Toothpaste Orange
100%

→ applied to glass / tile surfaces



Dish detergent
Mildew detergent
【Glass surface】



Water
 Orange 100% plus greasy.

Free from
chemical
substances



Tooth paste
(it makes clean but stick to the land)

Dish detergent
 Mildew detergent

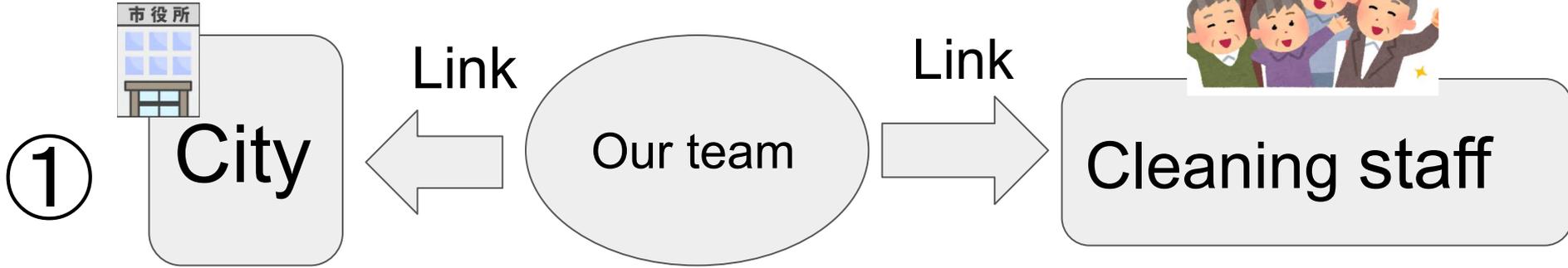
【Tile surface】

★Dish and mildew detergent made dirt clean.

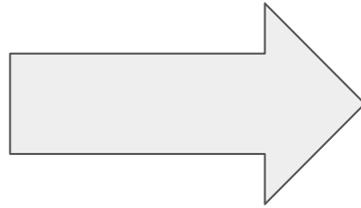
★Dirt can be removed easily especially on the glass surface.

💡 Chemicals with dish + mildew detergent = possible best cleaner

【Future prospect】



②



Hours

Reduce the burden of cleaning staff



Create the new cleaning detergent
(Dish + Mildew detergent)



【references】

Voting bin

<https://tabi-labo.com/180482/litteringtovote>

Starlings

https://www.ko-yu.co.jp/column/no3_mukudori/

Map⇒Google map

the number of the

usershttps://shingakunet.com/smp/area/ranking_station-users/shizuoka/