



School № 1595

“City Farming - The Technology of the 3rd Millenium”

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City Life



- ▶ The Problem

City dwellers have a lack of green vegetables in their diet.



The Survey

- ▶ How often do you eat fruit and green vegetables?



- once a week
- once a day
- two or three times a week
- two or three times a month

The Hypothesis

- ▶ City farms based on hydroponic systems can provide citizens with vitamins and minerals.



The Tasks

- ▶ to study the advantages of hydroponic systems,
- ▶ to present the construction of a city farm,
- ▶ to choose a highly productive and profitable kind of plant,
- ▶ to develop the technological plan of growing it,
- ▶ to calculate the economic efficiency of the city farm.



The Advantages of Hydroponic Systems

- ▶ quick growth of plants
- ▶ no soil is needed
- ▶ high productivity (the harvest all the year round)
- ▶ water saving technologies
- ▶ automation of the farming process



The Construction of a City Farm



Wheat as A Highly Productive and Profitable Kind of Plant to Grow on City Farms

- ▶ contains a lot of vitamins, good for all diets
- ▶ suits all age groups of people
- ▶ can make people younger
- ▶ does good to the immune system



The Technological Plan of Growing

- ▶ Keep the seeds in the fridge for 3-5 days before soaking to kill the bacteria
- ▶ Wash the seeds in cold water
- ▶ Soak the seeds in water at the temperature +25-30 degrees from 6 to 12 hours
- ▶ Grow the seeds for 2 days if you want to make food for people and from 3 to 5 days to grow grass for pets



The Economic Efficiency

Where is it possible to sell the harvest?

- ▶ fitness centers
- ▶ pet shops
- ▶ school feeding complexes
- ▶ trading networks
- ▶ small corner shops
- ▶ online shops



The profitability of wheat growing is very high.



The Consumers

- ▶ people who lead a healthy lifestyle
- ▶ engaged in the process of rejuvenating the body
- ▶ people with diabetes
- ▶ people with reduced immunity
- ▶ aged people
- ▶ people who lack vitamins and minerals
- ▶ those who suffer from nerve stress and metabolic disorders
- ▶ owners of small pets



The Conclusion

- ▶ The hydroponic systems for growing wheat are to be put into basements of houses, schools, supermarkets as it is warm and humid there.
- ▶ These places can be used to provide people with green vegetables.



Reference Materials

- ▶ <https://yandex.ru/images/>