

# ENTREPRENEURSHIP

## **Purpose Of The Experiment:**

Producing a shower gel and brandization of the product. Creative thinking, entrepreneurism skills, developing critical and analytic thinking skills.

## **Theme beyond disciplinaries:**

Ways in which we express ours.  
Ways in which we regulate ourselves.



## TUNING IN

Let's arouse curiosity!



## FINDING OUT

What Should Little Science People Discover?



## SORTING OUT

Let's Start Discovering!, Scientific Explanation For The Curious, Video



## GOING FURTHER

What else can we do? ?



## TAKING ACTION

Question Of The Day?



## MAKING CONCLUSIONS

Activity Pages, Exit Card



# INQUIRY CYCLE

# ENTREPRENEURSHIP



## Let's Arouse Curiosity

Prior to the activity "Entrepreneur Week" poster is hung in class and curiosity is aroused. The students are asked the following questions:

- What comes to your mind when you see entrepreneurship?

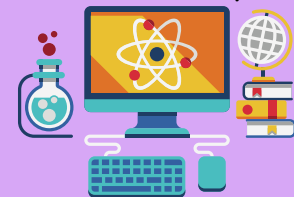
## Let our dreams turn into ideas!

"We cooperate while doing group work in class. At the same time, we are always on the path of learning and growing. We are discovering with the experiments and activities we do. All these features are some of the features "entrepreneur" features. Imagine you were an entrepreneur, what kind of a job would you like to do?" They are directed with these questions and asked to come up with creative ideas. They are allowed to do mind gymnastics and express themselves.

## Let's Start Discovering!

The activity video is watched by pausing. Before proceeding with the activity the content of the set is checked. All lid and package opening stages are done at the same time with students.

### Watch The Video By Pausing!



### Content Of The Set

- |   |  |
|---|--|
| <input type="checkbox"/> Raw material 1   | <input type="checkbox"/> Design label              |
| <input type="checkbox"/> Raw material 2   | <input type="checkbox"/> Mixing container          |
| <input type="checkbox"/> Pump             | <input type="checkbox"/> "Entrepreneurship Week"   |
| <input type="checkbox"/> Transfer syringe | <input type="checkbox"/> poster                    |
| <input type="checkbox"/> Stirring stick   | <input type="checkbox"/> "Imagine, Design, Create" |
| <input type="checkbox"/> Fragrance        | activity sheet                                     |

## How Do We Do It?

### Let Our Ideas Turn into a Project!

Tell the students that they will be producing a shower gel and discuss the questions on the “Talk About Your Business Plan!” activity sheet. Then, have them fill out the “My Business Plan” activity sheet.

### My Entrepreneurship Journey Begins! Let's Produce!

1. Place the experiment tray on a flat surface and put the mixing container inside the tray.
2. Pour all of Raw Material 1 into the mixing container.
3. Add Raw Material 2 to the mixing container.
4. Stir the mixture thoroughly with the stirring stick.
5. Add the remaining Raw Material 2 to the mixture and stir again.
6. Add the fragrance to the mixture and stir until it is homogeneous.
7. Place the bottle on the experiment tray.
8. Use the transfer syringe to move the mixture from the mixing container into the bottle.
9. Attach the pump to the bottle.
10. Before sticking the label, draw your own design in the design area.
11. Stick the designed label onto the bottle.



## What Should Future Science People Discover?

**The students are directed the following questions:**

- What kind of features should an entrepreneur have?

While we look around us, we can observe from a different perspective. As a result of this, we may notice many things and come up with new ideas.

Entrepreneurs are people who establish a business, take risks, dynamic and follow new trends, they are people who bring together production factors and establish projects. While doing all this and adding value to us, they also create job opportunities.

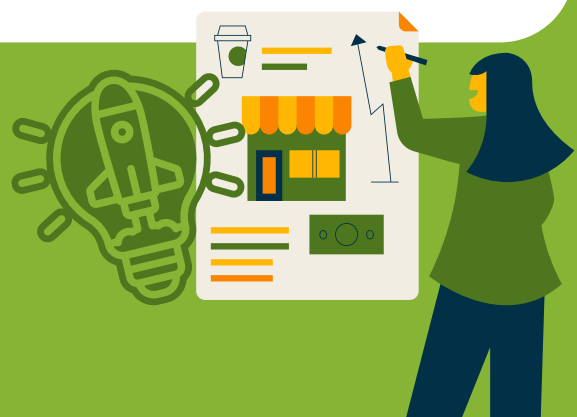
So what is the most important thing in entrepreneurship? The most important thing is that you have an innovative idea. After thinking on this idea, the hardest thing to do is find the courage to bring it to life. Once you find the courage to bring it to life, then you can accomplish success if you put in the necessary amount of time and work.

With the business you will run, you can both accomplish financial success and also create a business which is innovative and makes a difference. And that will make you happy.

So what characteristics should an entrepreneur have? Entrepreneurs are responsible, confident, hardworking and farsighted. Besides entrepreneurs are very curious.

Researching things that arouse curiosity, pursuing them and using the opportunities we come across is very important. You can also work just like entrepreneurs, and by keeping an open mind for new information, you can achieve great accomplishments.

For that you need a solid business plan. You should consider many things like the brand name, the target segment of the brand, the slogan of the brand and you should do a market research to set the price for the produced product. And the most important thing is, you should love it all along 😊



## Scientific History For The Curious

The students are directed the following questions:

- How does our body get dirty?
- How do we clean our body?
- How does the chemicals we use for cleaning our body work?
- What should we do for self care?

### How does shower gel clean dirt?

When we shower only with water, even though some of the dirt goes away, since water can't dissolve oil and dirt alike, our body doesn't exactly get clean. In order for a substance to dissolve another, those substances should be in similar form (similar dissolves similar).

This is why we need soap or shower gels to clean our body. Cleaning products are made of hydrocarbon chains. These chains have a dual structure. One of the chains like water, This part of the chain is called "hydrophobe end". Hydrophobe end doesn't like water and doesn't want to encounter it, only they cling onto dirt and line up inside. Hydrophile likes water and wants to contact it, because of this it lines up on the outside.

When we wash our body with shower gel, dirt clings through the hydrophobe end in the shower gel. Hydrophil end on the other hand builds up a wall on the outside. Later on when we rinse our body with water, the part that likes water (hydrophil) will immediately dissolve. Because similar dissolves similar. This way dirt left on the inside will also leave our body.

To sum up, as we wash our body hydrocarbon chains surround dirt and oils. The surrounded pieces of dirt and oil separate from each other and dissolve in water. This way oil and dirt molecules which have left the surface easily flow with water.



## What Should We Do For Self Care?

It's possible to analyze self care under 5 main topics. These are;

1. Hand and Feet Care
2. Body Care
3. Hair Care
4. Clothe Care
5. Mouth and Tooth Care



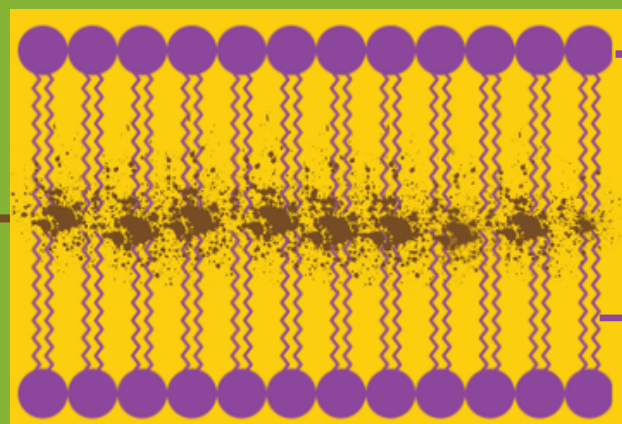
Self care is all kinds of body cleaning we do on a regular basis in order to maintain our lives healthy and happy.

Self care is as important for individuals as it's for the social environment they are in. Because we all want to see clean and sleek people around us. Because of this we should shower at least 3 times a week and get rid of the dirt and oils on our skin.

We should moisturize our skin and change our clothes often. We should brush our teeth at least twice a day and wash our hands often.



Dirt



Hydrophilic  
Tip

Hydrophobic  
Tip



## What Else Can We Do?

Dear Teacher,

You have talked about “A good business idea” and produced a shower gel. You can give science people a project work in which they can work in groups.

1. The students are paired in groups of 4 or 5.
2. They are asked to create a project in which they will build cat or dog sheds by using domestic waste.
3. Every group is handed a prototype paper. (Prototype paper is the space on which they do their drawings before creating their project)
4. They are asked to list the materials they will use.
5. They are asked to draw the shed they are going to build on the prototype paper.
6. They are asked to list necessary equipment.
7. The groups are asked to share the materials they will use among each other, and bring them in next week.
8. In the next week, projects are made in class.
9. Projects are presented in class.
10. If regulations and improvements are necessary, the time needed is given and it's regulated in class.

## Exit Card

“They are told, “Today we have discussed the features an entrepreneur should have. We have learned how to produce and sell a shower gel.”

“Would you like to become an entrepreneur in the future?” they are asked and it's discussed. The students will proceed with the exit card at the end of the activity.

Question Of The Day?



**What kind of entrepreneurship activities do we see mostly these days?**

**Communicator**

**Balanced**

**Principled**

**Sensitive**

**Knowledgeable**

**Open Sighted**

**Investigator Questioning**

**Thinking**

**WHICH LEARNING  
PROFILE DID YOU  
SHOW?  
MARK!**

**Risk Taker**

**From where?**

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# CURIOUS BOX



miniskop

[www.curiousbox.co](http://www.curiousbox.co)