

WEEK 28  
UNIT: INVENTIONS AND TECHNOLOGY - COOL INVENTIONS

What will God judge? Ecclesiastes 12:14 / How many will appear before the judgment? Corinthians 5:10

Name: \_\_\_\_\_

**1. Goals for the class:**

1. Listen and read the article, identify specific information about innovation.
2. Talk with your partner to describe each items and say which items is/are important and which one is least import for you?

**2. Select five inventions and rank them from 1 to 5.**



<b>1</b>
<b>2</b>
<b>3</b>
<b>4</b>
<b>5</b>

Most important



Least important

Which items is more important in your life?

Which items is least important in your life?

In my opinion, the most important item in my life is \_\_\_\_\_ and the least important item is \_\_\_\_\_

I think,

I guess,

**3. LET'S LISTEN AND READ!**

**JANKO ECO-BIKES**

**The problem**

The COVID-19 is contagious when many people are in one place. Usually, public transportation is crowded. Bikes offer an alternative kind of transportation, but they are expensive.



**Opportunity**

Many people use bikes as transportation.

**Innovation**

Bamboo grows in different places in Peru. Bamboo is a strong plant. It is a good material to make bikes and it is cheap.

**The Janko Eco-bicicleta**

This bike is eco-friendly. The designer is Víctor Barraza. He is an architect. He's from Tingo María, but he lives in Lima. The most important part of the Janko eco-bike is the frame. It is entirely made of bamboo. The Janko eco-bike is light, very fast and cheap. This invention is amazing.

## FITOTOLDOS

### The problem

People in some parts of the world can't grow vegetables like lettuce, celery, spinach, carrots or onions. Why? Because it is very cold. Temperatures can be -5° C.

### Opportunity

The sun is really shiny for some hours during the day.



### Innovation

Greenhouses are really fantastic. Generally, a greenhouse is a structure with walls and a glass roof. But, a special greenhouse or "fitotoldo" is a structure with walls and plastic film also called agrofilm.

### The Fitotoldo

This greenhouse is very basic and really inexpensive. It has 6 important requirements.

1. It needs to sit on a flat area.
2. The sun needs to shine on it for at least 5 hours during the day.
3. It needs to be near water supplies.
4. The long side of the structure needs to face east and west.
5. The roof needs to face north.
6. The door needs to be far from where the wind blows.

### Result

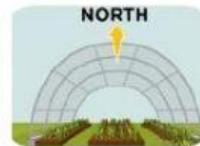
Families and communities in cold places can eat vegetables. There are "Fitotoldos" in Puno, Huánuco, Lambayeque, Ancash, Apurímac, Huancavelica and many other Regions in Peru. This invention is great.

### 4. Check the correct box.

		Janko Bikes	Fitotoldos
0	This invention is a type of transportation.		
1	This invention helps people avoid COVID-19.		
2	This invention helps grow food in the cold mountains of Peru.		
3	Generally, this invention uses sunlight.		
4	Generally, people use this invention to go to different places.		
5	One of the materials for this invention is a plant.		
6	One of the materials for this invention is a type of plastic.		
7	This invention is not expensive.		

### 5. Match the characteristics of a fitotoldo with the correct pictures.

0. It needs to sit on a flat area
1. The sun needs to shine on it for at least 5 hours during the day
2. It needs to be near water supplies.
3. The long side of the structure needs to face east and west.
4. The roof needs to face north.
5. The door needs to be far from where the wind blows.



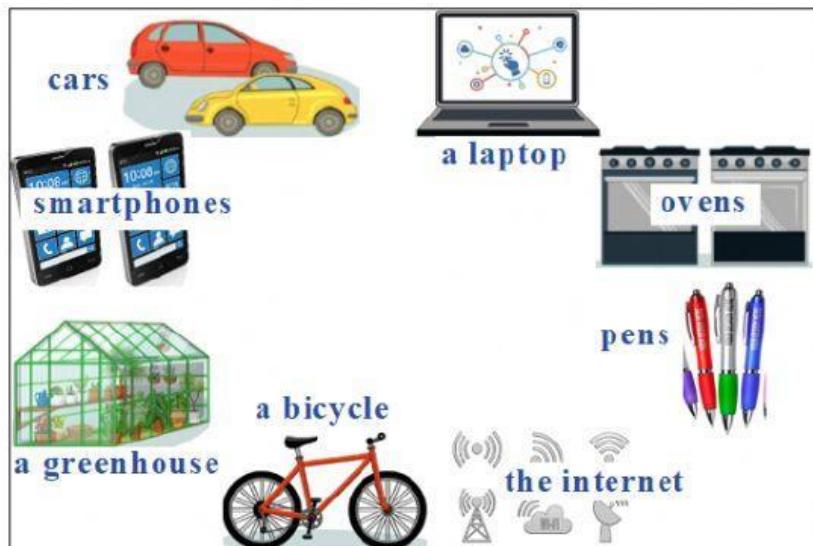
6. **peaking:** Work in pair.

- In your opinion, which invention is more important for everyday life?

I think, \_\_\_\_\_ are/ is more important for everyday life  
How about you?

- Which invention is least important in your life?

I consider, \_\_\_\_\_ are / is least important in my life.  
How about you?



**SELF-EVALUATION**

I can understand about listen and reading article and identify the most important and the least important inventions.

I can talk about invention, describe each one and say how important is or are in my life.

**YES**

**NO**