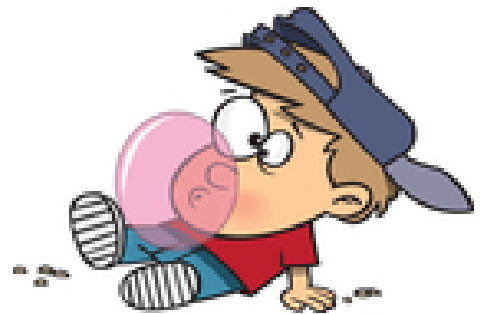


GUM: Just Chew it!



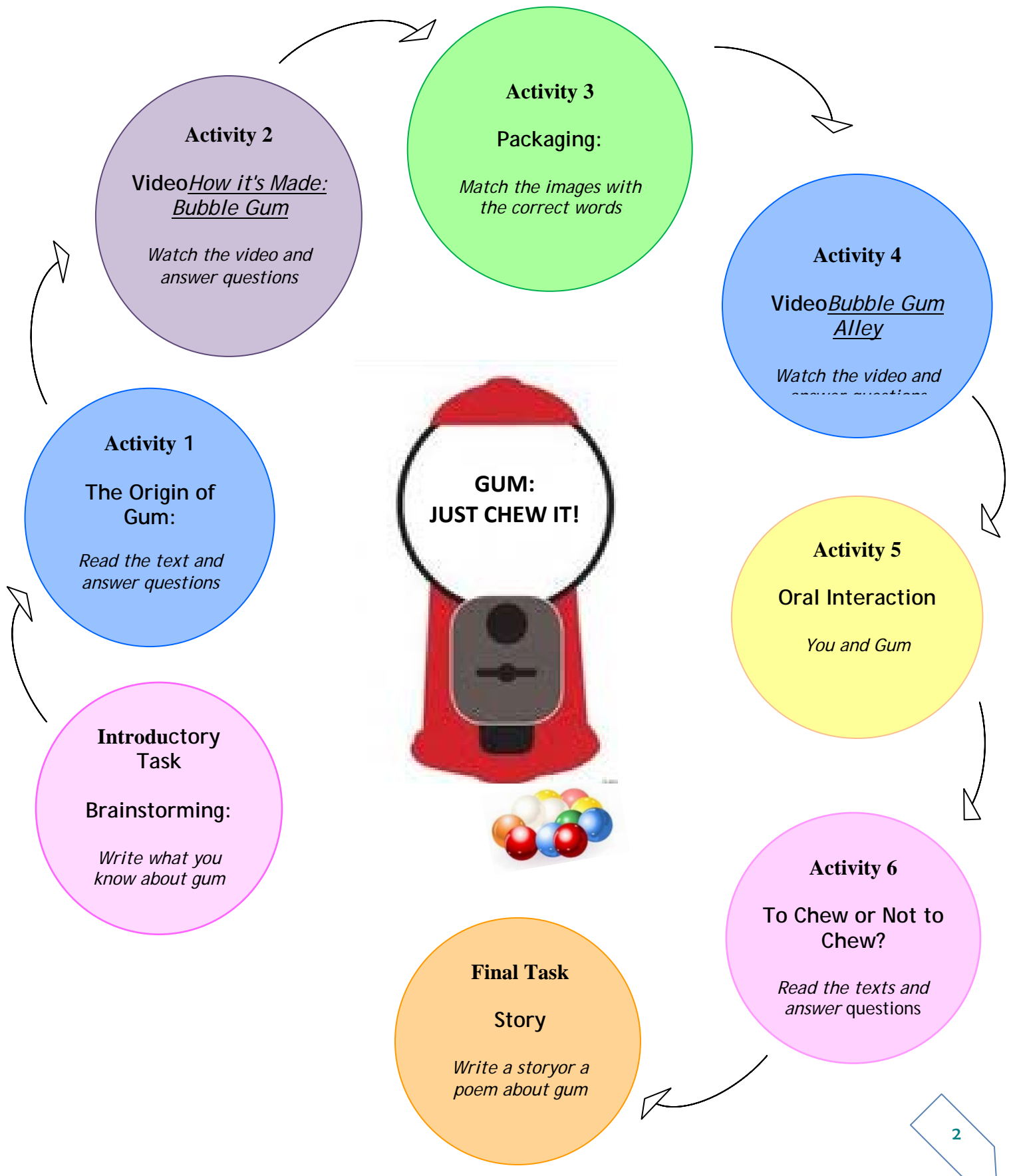
Student Booklet

Name: _____

Date: _____

Group: _____

OVERVIEW OF THE LEARNING AND EVALUATION SITUATION





The Origin of Gum

Got the urge to chew? Maybe you should go out and rip off a nice chunk of car tire. Not your idea of a tasty treat? A nice chunk of chewing gum is probably more like it. Did you know, there is a link between car tires and chewing gum?

Natural Gum is Discovered

The history of gum begins thousands of years ago, when prehistoric men and women discovered the pleasure of chewing on various sweet grasses, leaves and grain. They discovered that chewing on "mastiche", the resin from the mastic tree was more tasteful. Later, Greek women favored chewing mastic gum to clean their teeth and sweeten their breath. In South America, people enjoyed "chicle", a natural gum that comes from the Sapodilla tree. North American Indians chewed the sap from spruce trees.



The First Chewing Gum

The first commercial chewing gum was made and sold in 1848 by John Bacon Curtis. He called his chewing gum *The State of Maine Pure Spruce Gum*. John B. Curtis and his brother came up with the practical idea of selling spruce gum as a chewing gum. They experimented with spruce tree resin and made a sticky, rubbery material which could be chewed. Then, they added flavor to the gum and paraffin for a soft and rubbery feel. The name of John's factory was *The Curtis Chewing Gum Factory*.



In 1869, Mexican General Antonio Lopez de Santa Anna told his idea of chicle to Thomas Adams. Adams tried to make toys, masks, and rain boots out of chicle but neither of his products were commercially successful. In 1869, he simply added flavor to the chicle! That was the first step for creating the world's first modern chewing gum! It was called *Adams New York Chewing Gum*.

In the 1870s, Adams & Sons sold sour orange flavored gum as an after dinner candy. In 1871, Thomas Adams patented a machine for the manufacture of gum. That year Adams created a licorice-flavored gum called *Black Jack*. However, all these gums had one big problem, they could not hold flavor.

The problem with holding flavor was not fixed until 1880 when William White combined sugar and corn syrup with chicle. For better taste he added peppermint extract. He found out that the peppermint flavor lasted longer than other flavors. He called his first peppermint flavored gum *Yucatan gum*.

The First Bubble Gum

In 1906, the first bubble gum called *Blibber-Blubber* was invented but it never sold. It was so sticky that if it popped on your face, it was almost impossible to remove! It was in 1928 that Walter Diemer, an accountant for the Fleer gum company, accidentally invented *Dubble Bubble*, the first successful bubble gum. He created the perfect gum recipe with pink coloring because it was the only color he had.

In the 1950's, as consumers became more health conscious, sugarless gum was introduced. The original idea behind sugar free-gum belongs to a dentist. As time passed, many experiments were carried out to obtain different types and flavors of gums.

Today, there are hundreds of gum flavors from classic vanilla to the *Coca Cola* flavor. There are many types of gum available, some are used for medical purposes others to color our teeth. Today, gums are made from many different ingredients like pepsin and nicotine.

So, now that you know where gum comes from, will you keep on chewing? Hopefully not in class, there are already too many pieces of gum stuck under your desk !!!





Answer the following questions about The Origin of Gum.

1- What is "mastiche"? _____

2- Why did Greek women chew gum? (2 reasons)

3- Where does the "chicle" come from? _____

4- What was the first commercial chewing gum made of? _____

5- When was the first chewing gum invented? _____

6- What is the name of the first chewing gum? _____

7- When was *Blibber-Blubber* invented? _____

8- What was the problem with this first bubble gum?

9- Who invented *DubbleBubble* and when? _____

10- _____ Why is *Dubble Bubble* pink? _____

W

11- Where do you throw your piece of gum after chewing it?

12- What new information did you learn in this text?

13- What is your favorite brand of gum? Which flavor do you prefer? Why?

14. If you could invent a gum flavor, what would it be? _____

15. Do you know how to blow a bubble? Who taught you? _____

Watch the video *How It's Made: Bubble Gum* and answer the questions.

Video: *How it's Made: Bubble Gum*

<http://www.youtube.com/watch?v=E7dGRz7Evd0>



1. The Ancient Greeks used to chew _____ from trees which is similar to chewing gum.
2. When was chewing gum invented in the U.S.A.? _____
3. What was the occupation of the man who invented gum? _____
4. Name two ingredients that make gum base chewy. _____
5. Name two ingredients that are added to the gum in the mixer. _____
6. How long is the sugar mixed? _____ minutes
7. How much time does it take to wrap the bubble gum? Less than one _____
8. How many pieces of bubble gum can the machine wrap in one minute? _____
9. Bubble gum is usually which color? _____

Key Words :

Match the different packages of gum with the corresponding vocabulary words.

Gum Ball	Candy Gum	Center-filled Gum
Shredded Gum	Chiclet Gum	Cut and Wrap Gum
Powdered Gum	Stick Gum	Ribbon Gum
Tube Gum		



1- _____



4- _____



8- _____



2- _____



5- _____



9- _____



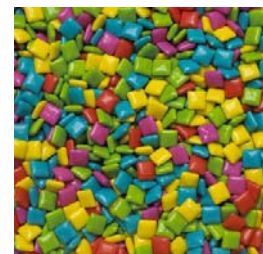
3- _____



6- _____



7- _____



10- _____

ACTIVITY 4**BUBBLE GUM ALLEY - BELIEVE IT OR NOT!**

THINK - PAIR - SHARE ACTIVITY

Individually, watch the video *Bubble Gum Alley-Believe it or Not.*

Read the questions and fill-in the information grid.

In pairs, compare your answers and add more information to the grid.

Video: *Bubble Gum Alley - Believe it or Not!*

www.youtube.com/watch?v=VRHojR3murE

Fill-in the grid with information from the video and your own ideas	
Adjectives	Bubble Gum Alley is described as being: dirty, stinky, disgusting and even dangerous. What other adjectives would you use to describe the alley?
Popularity	Bubble Gum Alley is hardly ever deserted. Why do you think it's so popular with visitors?
Action words	When visiting Bubble Gum Alley, people spend a lot of time chewing, popping and chopping pieces of gum. What other action words would you add to this list?
Flavours	While walking down Bubble Gum Alley, a person must smell a kaleidoscope of flavours. Name as many as you can.
Montreal Bubble Gum Alley	Would you like to have a Bubble Gum Alley in Montreal? Why or why not? Explain.



Read the statements below.

Discuss your answers with your team.

How would you REACT/How would you FEEL...

- if you had gum stuck under your shoe?
- if chewing gum was banned in your country?
- if you were in a bubble gum contest?
- if you won a bubble gum championship?
- if chewing gum would fall out of the sky?
- if your favorite chewing gum brand would not be sold in stores anymore?
- if there was a bubble gum day?
- if chewing gum was stuck in your hair?
- if chewing gum was stuck on your clothes?
- if your pet swallowed chewing gum?
- if someone gave you expired chewing gum?
- if you could never chew gum again?
- if someone stole gum from you?
- if you blew a big bubble and it exploded in your face?

REMEMBER!

In order to interact, you must participate in the conversation by:

- ✓ speaking English only;
- ✓ reacting to what others say;
- ✓ sharing your personal experience;
- ✓ keeping the conversation going.

KEEP IN MIND THAT THERE ARE NO RIGHT OR WRONG ANSWERS!

DISCUSSION CUES

(EXAMPLES OF FUNCTIONAL LANGUAGE)

I think that... Let me think...
 I believe... In my opinion...
 I agree because... I disagree because...
 What do you think?
 This is a good strategy because...
 This is not a good strategy because...
 It works because...

Use these cues in your discussion. When you use one, put a check mark in the box next to it.

ASK A QUESTION		AGREE WITH SOMEONE		DISAGREE WITH SOMEONE	
STATE YOUR OPINION		SHARE A PERSONAL EXPERIENCE		ASK FOR CLARIFICATION	
POLITELY INTERRUPT		INVITE SOMEONE TO PARTICIPATE IN THE CONVERSATION		ELABORATE ON SOMEONE ELSE'S IDEA OR ANSWER	

Read the 3 texts and fill-in the charts (p. 11-12) with the appropriate information..

Bubble Gum, Oh Bubble Gum

by: [AunikaAlch, age 11](#)

I am a candy that you can chew,
With lots of flavors, both old and new.
From mint to sherbet, flavors grow every day!
In my small cozy package, I lay -
You can blow me up and I will pop
So if you want a piece, pull off the top.
I'll be waiting for you to pick me;
We will have a blast - just wait and see!

:

A Day in the Life of Bubble Gum

By [xcrayolaxstormx](#), Coventry, RI

There I sat, in complete darkness. I didn't know how long I had been sitting there. Minutes? Hours? Days? I only sat there, upright, with the others, waiting to be chosen. Finally, after what seemed like a lifetime, I felt myself being lifted and tossed into a bag. I could hear the murmur of voices as I was carried out the door. The cool air of a fall day came to me gradually, blocked by layers of paper, cardboard, and plastic. I was being lifted again, and the crinkle of a wrapper filled the box we were enclosed in. The rest happened in slow motion: the fingers touching the flap, the package slowly opening, the sudden brightness that surrounded my comrades and me. We were almost squirming with anticipation, awaiting the moment one of us was selected. I felt light pressure on my sides, and I was slid out of the package, breathless. I had been chosen! I had only heard of what had happened to the chosen ones. We were all chosen eventually, but the first picked was considered the bravest. No one had returned to tell the story of what happens beyond the wrapper.

Stuck on Me

byAERV



“Hello class!”

I heard this greeting four times a day from Monday to Friday since 1982 when I first arrived in this school. At the time, I was all shiny and new, waiting for a new lifetime of great service in the world of education.

At first I thought, “wow” this is going to be fun! I will learn new things everyday, I will meet new students and never get to do homework. But, lucky me, I was moved to the back of the class and that’s how it all began.

The first time it happened, I thought it was disgusting! How could someone stick a slimy, gooey and chewed piece of resin on me??? How insulting, even though this pink rubbery thing smelled delicious, I could not concentrate for the rest of the class. The only thing I wanted to do was to get rid of this strange looking object. That’s when I heard a low, breathless voice say: “Finally...I can rest, I’m so dizzy!”

I suddenly realized I wasn’t alone anymore. This was the beginning of a beautiful friendship and many more to come. As I grew older, a variety of flavors and colors came to live with me in different shapes and sizes. As they dried and fell off, others came to replace them. I still enjoy listening to their stories and adventures of where they came from and how they got here. So...keep on chewing!

Title:	<i>Bubble Gum, Oh Bubble Gum</i>
Narrator:	
Setting:	
Event(s):	
Feeling(s):	
Action word(s):	

Title:	A Day in the Life of Bubble Gum
Narrator:	
Setting:	
Event(s):	
Feeling(s):	
Action word(s):	

Title:	Stuck on Me
Narrator:	
Setting:	
Event(s):	
Feeling(s):	

Action word(s):	
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