


# 新北市113學年度教師跨領域全英語授課教案設計

設計者／服務學校	何明璇、黃曉貞、黃秀霞／永平國小		
教案名稱	Bubbles	領域	英語跨（ <u>生活課程</u> ）領域
教學年級：國小 <u>二</u> 年級	課程上使用之英語比例：95 % (本比例係指教師以英語授課之時間佔總授課時間之比率)		
學生人數： <u>26</u> 人	教學總節數： <u>3</u> 節	公開授課內容為第 <u>1</u> 節	
公開授課之時間： <u>2024</u> 年 <u>10</u> 月 <u>25</u> 日 <u>09</u> 時 <u>40</u> 分至 <u>10</u> 時 <u>20</u> 分 (第 <u>二</u> 節課)	公開授課之地點： 新北市 <u>永和區</u> <u>永平</u> 國小 <u>2202</u> 教室	公開授課之教師： 教師姓名： <u>黃曉貞</u> 服務學校： <u>永平國小</u> 專長領域： <u>生活課程</u>	
核 心 素 養	總 綱	A2 系統思考與解決問題 具備問題理解、思辨分析、推理批判的系統思考與後設思考素養，並能行動與反思，以有效處理及解決生活、生命問題。 B1 符號運用與溝通表達 具備理解及使用語言、文字、數理、肢體及藝術等各種符號進行表達、溝通及互動，並能了解與同理他人，應用在日常生活及工作上。	
	領 綱	生活-E-A2 學習各種探究人、事、物的方法並理解探究後所獲得的道理，增進系統思考與解決問題的能力。 英文-E-B1 具備入門的聽、說、讀、寫英語文能力。在引導下，能運用所學、字詞及句型進行簡易日常溝通。	
學 習 重 點	學習表現	<b>【生活課程】</b> 2-I-4 在發現及解決問題的歷程中，學習探索與探究人、事、物的方法。 2-I-5 運用各種探究事物的方法及技能，對訊息做適切的處理，並養成動手做的習慣。 4-I-1 利用各種生活的媒介與素材進行表現與創作，喚起豐富的想像力。 <b>【英語文】</b> 1-II-7 能聽懂課堂中所學的字詞。 1-II-8 能聽懂簡易的教室用語。 1-II-10 能聽懂簡易句型的句子。 2-II-3 能說出課堂中所學的字詞。 3-II-2 能辨識課堂中所學的字詞。 6-II-2 積極參與各種課堂練習活動。	
	學習內容	A-I-2 事物變化現象的觀察。 C-I-2 媒材特性與符號表徵的使用。 C-I-3 探究生活事物的方法與技能	

具體學習目標	<p>【生活課程】</p> <ol style="list-style-type: none"> <li>1. 透過五感體驗，發現泡泡的特性。</li> <li>2. 將材料用不同的比例製作泡泡水，調製出需要的泡泡水。</li> <li>3. 能與小組成員共同合作完成彩色泡泡畫。</li> </ol> <p>【英語文】</p> <ol style="list-style-type: none"> <li>1. Students will be able to sing "The Bubble Chant" and know the six steps of handwashing.</li> <li>2. Students will be able to use "the bubble is ___." to describe bubble appearance.</li> <li>3. Students will be able to know the materials needed to make bubble solution.</li> <li>4. Students will be able to demonstrate the steps in making bubble solution.</li> <li>5. Students will be able to understand the color mixing principles of red, yellow, and blue.</li> </ol>
與其他領域/科目/議題的連結	<p>【閱讀素養教育】</p> <p>閱 E11 低年級：能在一般生活情境中，懂得運用文本習得的知識解決問題。</p> <p>閱 E13 願意廣泛接觸不同類型及不同學科主題的文本。</p>
教學資源/設備需求	music video , PPT , bubble solution and bubble wand , worksheet<appendix 1~4> , water , glycerin and household cleaning agents , straw , red paint , yellow paint , blue paint , plastic cups , drawing paper, color game

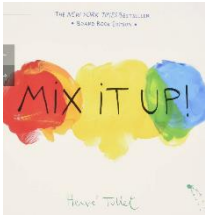
## 各節教學活動設計

節次	教學活動流程	時間	教學資源	教師語言
Lesson 1	<p align="center"><b>★ Topic: Bubble Observation ★</b></p> <p>【Warm up】</p> <p>◆ Greeting and Singing</p> <ol style="list-style-type: none"> <li>1. T says hello and plays a music video about bubbles to students. </li> <li>2. Encourage the students to sing along and pay attention to the key words of the chant.</li> </ol> <p>【Presentation &amp; Practice】</p> <p>◆ Six steps to stay out of the trouble</p> <ol style="list-style-type: none"> <li>1. T uses a slide presentation to review the six steps of handwashing that were taught in the chant.</li> <li>2. T reviews and explains them one by one.</li> <li>3. Encourage students to keep them in their mind and do them in their daily life.</li> <li>4. T reminds students these bubbles are important to us and help us to keep clean and healthy.</li> <li>5. Encourage students to learn more about the subject.</li> </ol>	5mins                      10mins	◎music video                     ◎PPT	<p>【Warm up】</p> <ol style="list-style-type: none"> <li>✚ Hello, everyone. Let's sing a chant together!</li> <li>✚ Try your best.</li> </ol> <p>【Presentation &amp; Practice】</p> <ol style="list-style-type: none"> <li>✚ Well done, everyone. Let's review the key words in the chant.</li> <li>✚ There are six steps for handwashing.</li> <li>✚ First, we turn on the water and then wet our hands.</li> <li>✚ Next, we get the soap and make sure we use enough to cover all parts of our hands.</li> <li>✚ Then we try to make many bubbles.</li> </ol>

節次	教學活動流程	時間	教學資源	教師語言
Lesson 1	<p>◆Observing the Bubbles</p> <ol style="list-style-type: none"> <li>Ss observe bubbles in groups and record the shape, color, size, and flying ways of the bubbles on small whiteboards.</li> <li>T asks questions about the bubbles and Ss response openly.</li> <li>T demonstrates simple sentences to describe bubbles (using the PPT).                             <ul style="list-style-type: none"> <li>(1) <i>This is a bubble.</i></li> <li>(2) <i>The bubble is round.</i></li> <li>(3) <i>The bubble is colorful.</i></li> <li>(4) <i>The bubble is big (or small).</i></li> <li>(5) <i>The bubble is flying in the air.</i></li> </ul> </li> <li>Ask one student to come up and practice those sentences with the teacher.</li> <li>T asks Ss to describe the bubbles to their partner.</li> </ol>	15mins	<ul style="list-style-type: none"> <li>◎bubble solution</li> <li>◎bubble wand</li> <li>◎PPT</li> <li>◎small whiteboard</li> <li>◎whiteboard maker</li> </ul>	<ul style="list-style-type: none"> <li>✚ We scrub our hands for at least 20 seconds.</li> <li>✚ We rinse our hands under the running water.</li> <li>✚ Finally, we dry our hands with a clean towel.</li> <li>✚ Did you keep all of them in your mind? Try to speak them out with me.</li> <li>✚ Now we know bubbles are good. They help us stay out of the trouble. We try to learn more about them, ok ?</li> <li>✚ Do you know what this is?</li> <li>✚ Why do you think so?</li> <li>✚ What is it?</li> <li>✚ Look at the bubble.</li> <li>✚ What do you see?</li> <li>✚ What shape is the bubble?</li> <li>✚ What color is the bubble?</li> <li>✚ How big is the bubble?</li> <li>✚ How is the bubble flying?</li> <li>✚ Let's try to describe a bubble with a whole sentence, ok? (Teacher guides the students to read the phrases on PPT)</li> <li>✚ (point to the screen), Who is the volunteer to come up and take a practice with me ?</li> <li>✚ Well done. Two in the group, please try to talk about all of these (point to the screen) with your partners.</li> </ul>

節次	教學活動流程	時間	教學資源	教師語言
Lesson 1	<p><b>【Wrap up】</b></p> <p>◆Worksheet Practicing</p> <p>&lt;Appendix 1&gt;Bubbles in your eyes</p> <ol style="list-style-type: none"> <li>1. Give each student a worksheet.</li> <li>2. Ask Ss to circle the correct answers based on the questions.</li> <li>3. T guides Ss to finish the worksheet.</li> <li>4. T reviews the key words and guides Ss to finish the 《Word Search》.</li> <li>5. T shows the answers on PPT.</li> </ol> <p>◆Homework: Worksheet</p> <p>&lt;Appendix 2&gt;Bubbles stay out of the trouble</p> <ol style="list-style-type: none"> <li>1. Remind Ss to use a ruler when completing the homework.</li> <li>2. Ask Ss to bring the ingredients for bubbles to school next time.</li> <li>3. Remind Ss to write down the ingredients they will bring to school in English.</li> </ol>	5mins	<p>◎worksheet</p> <p>◎PPT</p> <p>◎worksheet</p>	<p><b>【Wrap up】</b></p> <p>✚ Take out your pencil. Let's do the worksheet together.</p> <p>✚ There are two parts to this worksheet. Please circle the right answers on the first part.</p> <p>✚ For number one, the bubble is round. Number two, the bubble is colorful. Number three, the bubble is small. Number four, the bubble is flying in the air.</p> <p>✚ Now, let's do the 《word search》. We've learned these words in the class. Try your best to find them and circle them.</p> <p>✚ Finish your worksheet at home and please use your ruler when you match the pictures.</p> <p>✚ You can discuss with your family what ingredients you need when making bubbles.</p>
Lesson 2	<p>★ Topic: Making Bubble Solution ★</p> <p><b>【Warm up】</b></p> <p>◆ Review the Bubble Chant</p> <ol style="list-style-type: none"> <li>1. After the singing review, T checks the answers on the worksheets Ss did at home.</li> <li>2. Encourage Ss to make handwashing a habit in their daily lives.</li> </ol>	5mins	◎music video	<p><b>【Warm up】</b></p> <p>✚ Hello, everyone! Do you remember the bubbles chant? Let's sing it.</p> <p>✚ Take out your homework and let's check the answers and review.</p> <p>✚ Good job. Wash your hands often, you will stay healthy every day.</p>

節次	教學活動流程	時間	教學資源	教師語言
Lesson 2	<p><b>【Presentation &amp; Practice】</b></p> <p>◆ The Magical Bubble Solution</p> <p>&lt;Appendix 3&gt;The best bubble solution</p> <ol style="list-style-type: none"> <li>Gather the materials needed. Introduce the English names for each item and then demonstrate how to make bubble solution.</li> <li>Explain the worksheet to students step by step.</li> <li>Divide the students into groups. Ask them to use their ingredients and make their own bubble solutions. Remind Ss to fill in the blanks on the worksheet when making solution and blowing bubbles. Students should focus on the following:                     <ol style="list-style-type: none"> <li>ingredient proportions</li> <li>information about bubbles: sizes, numbers, ways, etc.</li> </ol> </li> <li>In the process, T guides Ss on how to observe and record their observations on the charts.</li> <li>Walk around to check on each group.</li> <li>Remind Ss to blow bubbles on the desk and keep bubbles away from others. Ask Ss to hold straw down when making bubbles. In doing so, Ss will not drink bubble solution.</li> <li>Ask Ss to clean the desks and mop the floor.</li> </ol>	25mins	<ul style="list-style-type: none"> <li>◎worksheet</li> <li>◎straw</li> <li>◎plastic cup</li> <li>◎water</li> <li>◎glycerin</li> <li>◎household cleaning agents</li> </ul>	<p><b>【Presentation &amp; Practice】</b></p> <ul style="list-style-type: none"> <li>✚ Do you know how to make bubble solution?</li> <li>✚ For example, in Cup A, first I add 100 milliliters of water, then I add 3 milliliters of glue, and finally I add 20 milliliters of the items you have brought here.</li> <li>✚ Please fill in the blanks with the items you have brought.</li> <li>✚ Can you blow some bubbles? What do you see?</li> <li>✚ Is it easy to blow bubbles?</li> <li>✚ Are the bubbles big or small?</li> <li>✚ How many bubbles did you blow?</li> <li>✚ What else did you notice?</li> <li>✚ Record your observations in the second table.</li> <li>✚ Now each group, please try making bubble solution and complete the worksheet.</li> <li>✚ Keep trying your best.</li> </ul>
	<p><b>【Wrap up】</b></p> <p>◆Present the worksheet</p> <ol style="list-style-type: none"> <li>Each group shares their bubble making steps. <i>I can make bubble solution.</i> <i>First, I add ____ milliliters of water.</i> <i>Then, I add ____ milliliters of glue.</i> <i>Finally, I add ____ milliliters of ____.</i> <i>I finish the best bubble solution.</i></li> </ol>	7mins		<p><b>【Wrap up】</b></p> <ul style="list-style-type: none"> <li>✚ Please come up on stage and present the contents of your completed worksheet.</li> <li>✚ Great.</li> <li>✚ Good job.</li> <li>✚ Give them a big hand.</li> </ul>

節次	教學活動流程	時間	教學資源	教師語言
Lesson 2	<p>◆ Summary</p> <p>1. T makes a conclusion : We can use water、glue and cleaning products in everyday life to make bubble solution.</p> <p>2. T asks Ss to share their worksheet with their family.</p>	3mins		
Lesson 3	<p>★ Topic: The Colors of Bubbles ★</p> <p>【Warm up】</p> <p>◆ Story : mix it up</p> <p>1. Ask students to talk about what they've seen from the pictures.</p> <p>2. Read the story aloud, pausing to ask questions to check students' comprehension.</p>  <p>【Presentation &amp; Practice】</p> <p>◆ Colorful Bubbles</p> <p>1. Guide students to use these three primary colors to make different color of bubbles.</p> <p>2. Divide students into six groups and assign a number to each student in each group.</p> <p>(1) In each group, the first student will blow red bubbles on the drawing paper. Then, the second student will blow blue bubbles so they overlap the red ones. Ask students to observe what happens to the colors.</p> <p>(2) Guide students to practice the mixing color sentence pattern.</p>	5mins	◎PPT	<p>【Warm up】</p> <p>✚ What do you see?</p> <p>✚ What colors do you see in the pictures?</p> <p>✚ With one finger take a little bit of the blue and just touch the yellow, see?</p> <p>✚ Take a little bit of the red and rub it on the blue, ok?</p> <p>✚ Try taking some of that yellow and smudging it on the red.</p> <p>✚ Great ! Can you remember all that?</p> <p>【Presentation &amp; Practice】</p> <p>✚ Do you know how to make different colors and tell us?</p> <p>✚ Do you want to try? Let's do it!</p> <p>✚ Listen to teacher. We do it step by step. No rush!</p> <p>✚ The first student blows red bubbles on the drawing paper.</p> <p>✚ The second student blows blue bubbles and makes the blue bubbles overlap the red ones.</p> <p>✚ What colors are there on the paper? How to make them?( A and B make C)</p>
		25mins	◎red paint ◎blue paint ◎yellow paint ◎straw ◎plastic cups ◎drawing paper	

節次	教學活動流程	時間	教學資源	教師語言
Lesson 3	<p>(3) Ask the second student to blow blue bubbles on another side of the paper. The third student blow yellow bubbles to overlap the blue ones. Ask students to observe what happened to the colors.</p> <p>(4) Guide students to practice the mixing color sentence pattern.</p> <p>(5) Ask the third student to blow yellow bubbles on another side of the paper. The first student blow red bubbles again to overlap the red ones. Ask students to observe what happened to the colors.</p> <p>(6) Guide students to practice the mixing color sentence pattern.</p> <p>(7) Encourage each group to experiment and make more different colors. When students are making, encourage them to use the sentence pattern: A and B make C.</p> <p>3. T walks through and encourages students to use the words and sentences they've learned in the previous tasks.</p> <p>4. Ss share their answers and tell their partners how to make those colors.</p> <p>5. Remind Ss to blow bubbles on the paper and keep bubbles away from others. Ask Ss to hold straw down when making bubbles. In doing so, Ss will not drink bubble solution.</p> <p>6. Ask Ss to clean the desks and mop the floor.</p>			<p>✚ What do you see?</p> <p>✚ Color purple. Red and blue make purple.</p> <p>✚ The second student blows blue bubbles on another side of the paper. The third student blows yellow bubbles to overlap the blue ones.</p> <p>✚ Blue and yellow make green.</p> <p>✚ The third student blows yellow bubbles on another side of the paper. The first student blows red bubbles again to overlap the red ones.</p> <p>✚ Blue and yellow make green.</p> <p>✚ Try it !</p> <p>✚ Well done.</p> <p>✚ How to make more colors?</p>

節次	教學活動流程	時間	教學資源	教師語言
	<p><b>【Wrap up】</b></p> <p>◆ Color game </p> <p>1. Play the color game with students.</p> <p>2. Summarize the color mixing principles for the three primary colors.</p> <p>◆ Homework: Worksheet</p> <p>&lt;Appendix 4&gt;Mixing colors</p> <p>1. T guides Ss how to fill in the blanks with the results of mixing colors.</p> <p>2. T asks Ss to complete their worksheet at home.</p>	<p>5mins</p> <p>5mins</p>	<p>◎Game link</p> <p><a href="https://digitalmaster.knsh.com.tw/el/life/color/">https://digitalmaster.knsh.com.tw/el/life/color/</a></p>	<p><b>【Wrap up】</b></p> <p>✚ Who wants to come up and give it a try?</p> <p>✚ Raise your hand.</p> <p>✚ You did a great job!</p> <p>✚ In today's class, we create colored bubbles together. You are so great!</p>
<b>附錄 (學習單或其他教學相關資料)</b>				
<p>&lt;Appendix 1&gt;Worksheet: Bubbles in your eyes</p> <p>&lt;Appendix 2&gt;Worksheet: Bubbles stay out of the trouble</p> <p>&lt;Appendix 3&gt;Worksheet: The best bubble solution</p> <p>&lt;Appendix 4&gt;Worksheet: Mixing colors</p>				



Name

Class

Number

Date

# Bubbles in your eyes



## READ AND CIRCLE

- 1 The bubble is ( round square ).
- 2 The bubble is ( black colorful ).
- 3 The bubble is ( small short ).
- 4 The bubble is flying  
( in the air on the ground ).



單字小秘書：

1. square : 正方形

2. on the ground : 在地面上

## WORD SEARCH



**AIR**

**BIG**

**COLOR**

**ROUND**

**SHAPE**

U	<b>A</b>	U	I	R	<b>R</b>	O
<b>S</b>	U	I	O	D	O	W
A	H	L	R	F	U	F
B	O	A	K	Y	N	I
<b>C</b>	E	K	P	G	D	E
D	I	S	P	E	B	E
Y	U	O	U	<b>B</b>	I	G

Name

Class

Number

Date

# BUBBLES

## STAY OUT OF THE TROUBLE

### Phrase to Picture Matching

**WET HANDS**  
打溼手

•



**USE SOAP**  
用肥皂

•



**MAKE BUBBLES**  
搓出泡泡

•



**SCRUB**  
搓一搓

•



**RINSE HANDS**  
沖洗手

•



**DRY HANDS**  
擦乾手

•



<Appendix 3> Worksheet: The best bubble solution

Name	Class	Number	Date
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# The Best Bubble Solution

## The Ratio for Making Bubble Solution (調製泡泡水的配方)

	Water	Glue	( )
A			
B			
C			

## Bubble Comparison (泡泡分析)

	Is it easy to blow bubbles 吹出泡泡的難易	The size of the bubbles 泡泡的大小	The number of bubbles 泡泡的數量	I find that..... 我發現.....
A	Easy / Hard	Big / Small		
B	Easy / Hard	Big / Small		
C	Easy / Hard	Big / Small		

I can make bubble solution.

First(首先), I add \_\_\_\_\_ milliliters (容量單位:毫升) of water.

Then(然後), I add \_\_\_\_\_ milliliters of glue.

Finally(最後), I add \_\_\_\_\_ milliliters of \_\_\_\_\_.

I finish the best bubble solution.

<Appendix 4> Worksheet: Mixing colors

Name

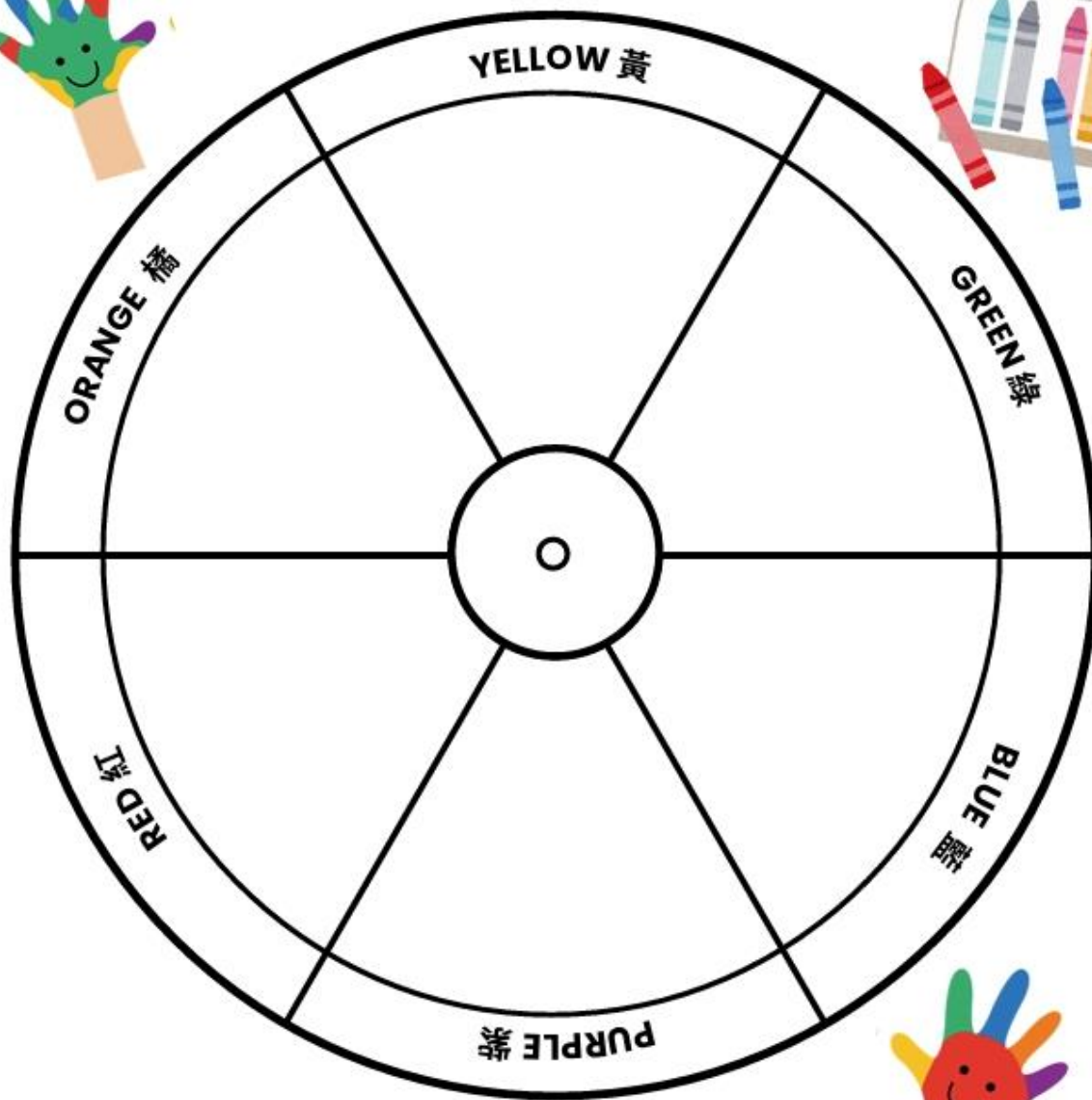
Class

Number

Date

# mixing colors

Use your crayons to color the shapes!



How do you feel about your painting ?

你覺得你的作品畫得如何呢？

