

領域/科目	藝術-視覺藝術		設計者	陳怡君
實施年級	三年級		總節數	共 6 節，240 分鐘
單元名稱	左左右右長一樣			
設計依據				
學習重點	學習表現	1-Ⅱ-3 能試探媒材特性與技法，進行創作。 2-Ⅱ-2 能發現生活中的視覺元素，並表達自己的情感。	核心素養	B1 符號運用與溝通表達 B3 藝術涵養與美感素養
	學習內容	視 E-Ⅱ-1 色彩感知、造形與空間的探索。 視 E-Ⅱ-2 媒材、技法及工具知能。 視 A-Ⅱ-1 視覺元素、生活之美、視覺聯想。		
議題融入	實質內涵	科 E2 了解動手實作的重要性。 科 E8 利用創意思考的技巧。		
	所融入之學習重點	1 探索與欣賞生活中各種景物並發現其中美的原理原則。 2 探索生活物品中對稱之美的原則。 3 探索與應用顏料轉印、剪貼或其他媒材特性與技法進行創作。 4 組織與拼貼表現對稱之美的剪貼畫。		
教材來源	翰林三下藝術/自編			
教學設備/資源	水彩顏料、油性簽字筆、圖畫紙、色紙、剪刀、膠水、美術紙、彩色筆、學生自訂媒材和用具。			
學習目標				
1 能認識對稱造形要素的特徵、構成與美感。 2 能探索生活中具有對稱元素的景物並發表個人觀點。 3 能探索與欣賞各種對稱之美的藝術表現與作品。 4 能探索與應用各種媒材特性與技法，進行具有對稱美感的創作。				
教學活動設計				
教學活動內容及實施方式			時間	備註
<p style="text-align: center;">第一節課 發現對稱之美</p> <p>【引起動機】</p> <p>1 教師引導學生觀賞影片，搭配音樂，作為暖身活動。 https://www.youtube.com/watch?v=SJlhywRfvh8 T: What do you see in the video? Ss: Ferris wheel(摩天輪). T: Yes, what shape is it?</p>			10 分	形成性——口語評量:能探索生活中美麗景物的

<p>Ss: It's a circle. T: What else do you see? Ss: A line. T: Where is the line? Ss: In the middle(在中間). T: Good! Draw a line to cut in half. What do you find? Ss: They look the same. Right and left are the same. T: Yes! So, it's called, "Symmetry".</p> <p>【發展活動】</p> <p>3 教師引導學生觀察圖片。 The teacher leads students to observe some pictures.</p> <p>4 教師提問：「從圖片中大家看到了什麼？」 學生擬答：「葉子、蝴蝶、馬路…」 T: What do you see in the pictures? Ss: Building(建築物)</p> <p>5 教師引導學生仔細觀察圖片並鼓勵發表看法。 The teacher leads students to observe carefully and encourage them to share their thoughts.</p> <p>6 教師提問：「在圖片中，你有發現它們的共通特性嗎？」 學生擬答：「左右兩邊好像一樣…」 T: What do you find the same point in the pictures? Ss: Right and Left are the same.</p> <p>7 教師歸納出對稱圖案：「想像有一條中心線，在這條中心線的上下或左右排列形狀完全相同的形體。」 The teacher sums up the definition of symmetry. It's a line in the middle. The up part and the down part match each other.</p> <p>8 教師提問：「我們校園中的景物或者教室內現場有的東西，你能找出來哪些是具有「對稱」的嗎？」 學生擬答：「黑板、窗戶、司令台、課本…」 T: What can you find symmetrical things at school or in the classroom? Ss: Blackboard, window, ceremonial stand, book... T: How do know it's symmetrical? Ss: Draw a line in the middle. Right and left look the same.</p> <p>9 教師提問：「說說看哪些生物是具有「對稱」的嗎？」 學生擬答：「蝴蝶、螃蟹、蜻蜓…」 T: What creatures are with symmetry? Ss: Butterfly, crab, dragonfly... T: Why? Ss Draw a middle line to cut in half. Right and left look the same.</p>	20 分	視覺美感元素。
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<p>10 教師提問：「你們覺得對稱會給你們什麼樣的感覺？不對稱會給你們什麼樣的感覺？」</p> <p>學生擬答：「簡單、和平…」</p> <p>T: We see some symmetrical pictures. How do you feel? About asymmetrical ones?</p> <p>Ss: Easy, peaceful...</p> <p>【綜合活動】</p> <p>1 教師總結對稱的定義。 The teacher sums up the definition of symmetry.</p> <p>2 教師預告下節課要完成「對稱之美」學習單。 The teacher previews the next lesson. Finish the worksheet.</p> <p>3 教師鼓勵學生發表個人的發現與觀點。 The teacher encourages students to share findings and ideas.</p>	10 分	
<p>第二節課 FUN 對稱</p> <p>【引起動機】</p> <p>1 教師引導學生藉由圖片複習舊知識。 The teacher leads students to review symmetry through pictures.</p> <p>T: Please look at the pictures. What you see in the pictures?</p> <p>Ss: Butterfly, road, shape, building(建築物), logo(標識)...</p> <p>T: Good! Building, logo...What is special for these pictures?</p> <p>Ss: Left and right are same. Up and down are same.</p> <p>T: How do you know? Can you show us?</p> <p>Ss: I draw a line in the middle.</p> <p>T: Yes! So, we call it “Symmetry”. It means both sides of the thing are the same. When you see symmetrical pictures, how do you feel?</p> <p>Ss: Easy, peaceful, balance(平衡)...</p> <p>T: Good. Simple, peaceful, balance...</p>	5 分	<p>形成性——口語評量：能回答舊知識的問題。</p>
<p>【發展活動】</p> <p>1 教師簡單說明媒材與表現方法。 The teacher instructs the method of presenting art media.</p> <p>2 發下圖畫紙給學生練習用對「相印畫」的技法。 Let students practice the skill of water color printing on the drawing paper.</p> <p>3 教師說明試印練習之圖案及擠顏料的方式，學生們可以自行決定，鼓勵學生自行創意水彩印畫出其他對稱圖形。 The teacher instructs the practice of patterns and the way of squeeze paints. Encourage students design other symmetrical pictures through water color</p>	5 分 25 分	<p>形成性——操作評量：能探索生活中具有對稱元素的景物並發表個</p>

<p>printing.</p> <p>4 教師引導學生使用油性筆在其聯想圖上加繪圖或輪廓，使自己聯想的事物可以更加清楚呈現出來。</p> <p>The teacher leads students to use the marker and add some patterns clearly with imaginations.</p> <p>T: We're going to do symmetrical painting.</p> <p>We need these tools and materials. What are they?</p> <p>Ss: Water color, paint, black marker, drawing paper...</p> <p>T: I'll demonstrate how to do symmetrical painting. Take out a piece of drawing paper.</p> <p>(1) Fold the paper in half. Line up the edges as best you can.</p> <p>(2) Open it up and it's going to be the middle of butterfly.</p> <p>(3) Add some paint to one half of the page.</p> <p>(4) Fold the paper back over on that same line we made before.</p> <p>(5) Push down nice and hard.</p> <p>(6) Open it back up and see the butterfly.</p> <p>You can use the black marker to draw some patterns on this butterfly.</p> <p>I'll show you the video about symmetrical butterfly painting.</p> <p>https://www.youtube.com/watch?v=042uDqg2k3g</p> <p>5 教師巡視學生創作情形並予以指導。</p> <p>The teacher makes rounds in class and give specific instructions.</p>	10 分	人觀點。
<p>【綜合活動】</p> <p>1 教師鼓勵學生分享其作品，如何進行聯想及加繪部分。</p> <p>The teacher encourages students to share artworks, including colors, patterns, imagination, etc.</p> <p>2 教師總結，每個人對藝術表現的感知不同，要能欣賞並尊重自己與他人的想法及表現。</p> <p>The teacher concludes that everyone has different feelings for art. We should appreciate and respect to others' thoughts and presentation.</p>	5 分	總結性——口頭評量：能分享個人關於對稱之美的認知結合作品。
<p style="text-align: center;">第三~六節課 對稱圖案大集合</p> <p>【引起動機】</p> <p>1 教師引導學生練習剪出蝴蝶。</p> <p>The teacher leads students to cut butterflies with scissors.</p> <p>2 教師鼓勵學生自行練習剪出更多的蝴蝶造形，或者剪出其他不同的對稱圖形。</p> <p>The teacher encourages students to cut more butterflies or different symmetrical pictures.</p> <p>3 教師巡視學生創作情形並予以指導。</p>	10 分	

<p>The teacher makes arounds and instructs students individually.</p> <p>4 教師隨機展示並嘉許學生自己練習剪出來的對稱圖形。</p> <p>The teacher praises symmetrical pictures which the students cut.</p> <p>6 教師引導學生練習「鏤空的葉子」，利用對摺方式練習剪出花和莖葉。</p> <p>The teacher leads students to practice cutting hollow leaves. Use the way of folding and cutting flowers, stem and leaves.</p> <p>7 教師說明或示範圖案內「局部對摺剪」的方法。</p> <p>The teacher instructs and demonstrates the fold and cut.</p> <p>8 教師巡視學生創作情形並予以指導。</p> <p>The teacher makes arounds and instructs the artwork.</p> <p>9 教師鼓勵學生將其之前剪出的蝴蝶、花和莖葉圖形，練習「局部對摺剪」方法，使原本圖形的內部更具鏤空的圖形變化。</p> <p>The teacher encourages students to cut butterfly, flower, and stem. Practice cutting and folding and be full of hollow patterns.</p> <p>10 教師巡視學生創作情形並予以指導。</p> <p>The teacher makes arounds and instructs the artwork.</p> <p>11 鼓勵學生試著練習剪出對稱圖案，自行設計、發明剪出其他更多的對稱圖案。</p> <p>Encourage students to try to cut symmetrical pictures and more.</p> <p>12 將學生自行練習剪出的、獨特的對稱圖案展示在黑板上，可供其他同學跟著模仿學習，或者受鼓舞並去嘗試更多對稱圖案剪法。</p> <p>Students practice cutting special symmetrical patterns on the blackboard.</p> <p>Let students try to learn by imitating and inspire students to cut more symmetrical patterns.</p>	<p>10 分</p>	
<p>【發展活動】</p> <p>1 教師發下每組一張四開圖畫紙。</p> <p>Each student has a piece of quarto-size drawing paper.</p> <p>2 教師引導學生將其先前練習對摺剪所剪下的所有圖形，在畫紙上做主題性及計畫性排列或重疊組合，並用膠水黏貼固定好。</p> <p>Try to use the glue to collage all pictures which are cut.</p> <p>3 教師鼓勵學生根據組合出的畫面，再多剪出其他相關圖形增貼在畫紙上，使成為一幅完整的，有主題的剪貼畫。</p> <p>The teacher encourages students to cut more related pictures on the drawing paper and set a topic for the collage painting.</p> <p>4 教師強調練習剪出的對稱圖形都要貼到畫紙上，構思安排作品貼畫面到合適的位置，不足之處大家再一起增補剪貼的圖形。</p> <p>The teacher emphasizes on collaging symmetrical pictures and the drawing paper.</p> <p>5 除了利用練習剪出的各種對稱圖形來拼貼畫面之外，可鼓勵學生利用</p>	<p>60 分</p>	<p>形成性——操作評量：能運用剪貼方式表現出對稱原則的美感認知。</p>

<p>多元媒材如花草葉、廢棄物回收之小物品…等配合拼貼，以豐富作品呈現的結果。</p> <p>Students can use plants or recycled objects to collage with symmetrical pictures.</p> <p>7 教師巡視學生創作情形並予指導。</p> <p>The teacher makes rounds and instructs the artwork.</p> <p>【綜合活動】</p> <p>1 學生分享其作品。</p> <p>Students share his/her own artwork.</p> <p>2 鼓勵學生欣賞他人作品並表達自己的看法。</p> <p>Encourage students to appreciate others' artworks and share ideas.</p> <p>3 教師隨機展示並嘉許學生拼貼出來的作品。</p> <p>The teacher praises students' artworks and paste on the board.</p> <p>4 教師可將學生作品作為教室佈置物，以供長期張貼展示。</p> <p>The teacher can decorate the classroom with students' artwork.</p>	10 分	<p>總結性——作品評量：能試探媒材特性與技法並進行創作，表現出對稱之美。</p>
<p>課室用語：</p> <p>What do you see in the pictures/video?</p> <p>What shape is it?</p> <p>It's a/an _____.</p> <p>What is it?</p> <p>It's a line.</p> <p>Draw a line in the middle.</p> <p>I draw _____.</p> <p>Let's do symmetrical painting.</p> <p>I use _____, _____ and _____. (color)</p> <p>I add <u>pattern</u> because _____.</p> <p>They look same or different?</p> <p>Make some patterns.</p> <p>I feel _____ because _____.</p> <p>I think _____ because _____.</p> <p>Share your artwork with us.</p> <p>專業詞彙：</p> <p>symmetry, pictures, pattern, fold, cut, collage, repeat, decorate, same, symmetrical, line, middle, fold, half, design, same, both, side, color</p>		
<p>參考資料：https://www.youtube.com/watch?v=042uDqg2k3g</p>		

Symmetry

Class: _____ Number: _____ Name: _____

Hello! Kids,

You have known “symmetrical pictures”.

Please draw a middle line of the picture.

