

**Stars • Patterns • Observations**



**Unit Essential Question**

How are stars similar to or different from each other in terms of their brightness, sizes, and patterns?

**UNIT DESCRIPTION**

In this unit, students will use the visual arts to analyze star patterns and explain the similarities and differences of stars. They will paint their own version of the Impressionist Artist Vincent van Gogh's masterwork, *The Starry Night*, to assess understanding.

**PROJECTS**

(1 Week)  
• Painting the Night Sky

[www.artsnowlearning.org](http://www.artsnowlearning.org)

Units provide differentiated ideas and activities aligned to a sampling of standards.

The units do not necessarily imply mastery of standards, but are intended to inspire and equip educators.

Produced through the U.S. Department of Education: Arts in Education—Model Development and Dissemination Grants Program  
Cherokee County (GA) School District and ArtsNow, Inc.

**UNIT OVERVIEW**

Unit Description	Table of Contents
<p>In this unit, students will use the visual arts to analyze star patterns and explain the similarities and differences of stars. They will paint their own version of the Impressionist Artist Vincent van Gogh’s masterwork, <i>The Starry Night</i>, to assess understanding.</p>	<p>Project 1: Painting the Night Sky</p>

**UNIT ESSENTIAL QUESTION**

How are stars similar to or different from each other in terms of their brightness, sizes, and patterns?

**CROSS-CUTTING INTERDISCIPLINARY CONCEPT**

Parts of a Whole

**REAL WORLD CONTEXT**

We study stars to better understand our solar system and our Earth’s place within it.

**STANDARDS**

Curriculum Standards	Arts Standards
<p><b>S2E1</b> Students will understand that stars have different sizes, brightness, and patterns.                      a. Describe the physical attributes of stars--size, brightness, and patterns.</p>	<p><b>VA2CU.2</b> Views and discusses selected artworks.                      e. Observes and discusses simple perspective techniques.</p> <p><b>VA2PR.2</b> Understands and applies media, techniques, and processes of two-dimensional art processes (drawing, painting, printmaking, mixed-media) using tools and materials in a safe and appropriate manner to develop skills.</p>

**ASSESSMENTS**

Formative Assessment Strategies	Summative Assessment Tools
<ul style="list-style-type: none"> <li>• 10x2, think-pair-share</li> <li>• The teacher will facilitate discussions with students one-on-one over the content and arts vocabulary while they are painting.</li> </ul>	<ul style="list-style-type: none"> <li>• The students will be instructed within the lesson to paint only five stars in their artwork: 2 small stars (1 bright, 1 dim), 2 medium stars (1 bright, 1 dim), and 1 large star (bright or dim with explanation). When their work is complete, the students will be expected to orally explain similarities and differences between the stars in their painting and be able to defend their explanations using arts vocabulary.</li> </ul>

**PARTNERING WITH FINE ARTS TEACHERS**

Visual Arts Teacher:

- Additional support in Project 1: Painting the Night Sky
  - Assist with planning how to integrate Impressionist techniques into the artistic process

**CHARACTER EDUCATION COMPONENTS**

**CHARACTER CONCEPTS**

Pride and belief in oneself  
To meet a challenge without giving into fear

Self-Expression

**CREDITS**

U.S. Department of Education  
Arts in Education--Model Development and Dissemination Grants Program  
Cherokee County (GA) School District and ArtsNow, Inc.  
Ideas contributed and edited by: Tammy Owen, Theresa Neidlinger, Jessica Tatum, Jessica Espinoza, Richard Benjamin Ph.D., Michele McClelland, Mary Ellen Johnson, Jane Gill



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### Project Essential Questions

- How does Van Gogh's *The Starry Night* help me describe the brightness and sizes of stars?
- How is Van Gogh's interpretation of the night sky similar to or different from the actual night sky?

#### PROJECT DESCRIPTION

In this project, students will analyze the Impressionist Artist Vincent van Gogh's *The Starry Night*, and then create their own paintings of star patterns in the style of Van Gogh. To assess understanding, students will explain the similarities and differences of the stars they paint.

#### LEARNING TARGETS

"I Can..."

- Describe the brightness and sizes of stars.
- Paint a picture to demonstrate the similarities and differences in the brightness and sizes of stars.

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**Duration: 2 Days**

Project Description	Learning Targets
<p>In this project, students will analyze the Impressionist Artist Vincent van Gogh's <i>The Starry Night</i>, and then create their own paintings of star patterns in the style of Van Gogh. To assess understanding, students will explain the similarities and differences of the stars they paint.</p>	<p>"I Can..."</p> <ul style="list-style-type: none"> <li>Describe the brightness and sizes of stars.</li> <li>Paint a picture to demonstrate the similarities and differences in the brightness and sizes of stars.</li> </ul>

**ESSENTIAL QUESTIONS**

<ul style="list-style-type: none"> <li>How does Van Gogh's <i>The Starry Night</i> help me describe the brightness and sizes of stars?</li> <li>How is Van Gogh's interpretation of the night sky similar to or different from the actual night sky?</li> </ul>
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**STANDARDS**

Curriculum Standards	Arts Standards
<p><b>S2E1</b> Students will understand that stars have different sizes, brightness, and patterns. a. Describe the physical attributes of stars--size, brightness, and patterns.</p>	<p><b>VA2CU.2</b> Views and discusses selected artworks. e. Observes and discusses simple perspective techniques.</p> <p><b>VA2PR.2</b> Understands and applies media, techniques, and processes of two-dimensional art processes (drawing, painting, printmaking, mixed-media) using tools and materials in a safe and appropriate manner to develop skills.</p>

**KEY VOCABULARY**

Content Vocabulary	Arts Vocabulary
<ul style="list-style-type: none"> <li>Size (small, medium, large)</li> <li>Brightness (bright, dim, dark)</li> <li>Physical Attributes</li> <li>Similar</li> <li>Different</li> </ul>	<ul style="list-style-type: none"> <li>Impressionism</li> <li>Bright/Brighter/Brightness</li> <li>Dim/Dimmer/Dimmest</li> <li>Vincent van Gogh</li> <li>Perspective</li> <li>Technique</li> <li>Positive Space</li> <li>Negative Space</li> <li>Value</li> <li>Patterns</li> </ul>

**USE OF TECHNOLOGY**

<ul style="list-style-type: none"> <li><a href="http://thecraftyclassroom.com/crafts/famous-artist-crafts-for-kids/van-gogh-art-project/">http://thecraftyclassroom.com/crafts/famous-artist-crafts-for-kids/van-gogh-art-project/</a></li> <li>Smartboard or Promethean board</li> <li>Photograph of the actual night sky</li> <li>Print of <i>The Starry Night</i></li> <li>Selection of other images by Van Gogh to present during short bio of his work and why it is termed Impressionist</li> <li>Document camera</li> </ul>
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**ASSESSMENTS**

Formative	Summative
<p>The teacher will facilitate discussions with students one-on-one over the content and arts vocabulary while they are painting.</p>	<p>The students will be instructed within the lesson to paint only five stars in their artwork- 2 small stars (1 bright, 1 dim), 2 medium stars (1 bright, 1 dim), and 1 large star (bright or dim with explanation). When their work is complete, the students will be expected to orally explain similarities and differences between the stars in their painting and be able to defend their explanations using arts vocabulary.</p> <p>Example:            Student: This star is small and bright.            Teacher: How do you know that star is brighter than the other small star?            Student: This star is brighter because it is mostly white.</p>

**MATERIALS**

Van Gogh's *The Starry Night*; oil pastels; washable tempera paint; black card stock or other black multimedia paper; technology materials; pencils; one tub per group to hold the oil pastels in use

**Activating Strategy (10-15 min)**

**Activating Prior Knowledge**

- To begin the lesson, project a picture of the real night sky.
- Teacher will sing "Twinkle, Twinkle Little Star," a few times, allowing the students to join in.
- Then facilitate discussion about the phrases of the song that say, "How I wonder what you," and, "like a diamond in the sky." These phrases are important in observing the stars as scientists because we don't really know which shiny objects in the sky are stars and which ones are planets.
- The point of this unit is to help us better understand the world outside of our own. Then we can expand on this to look at the sky from different perspectives (artists, observers of artwork, dancers, and writers) throughout the rest of the unit.
- Following the discussion of the phrase "like a diamond in the sky," introduce the objectives for the lesson.

**Building Background Knowledge**

- The teacher explains that we are now going to view the stars from an artist's perspective.
- Teacher gives a short bio of Vincent van Gogh and projects several of his famous pieces of artwork.
- Pick one of them, other than *The Starry Night*, for the following activity.
- Students participate in the "Ten Times Two" activity: Students are given 60 seconds to list ten things they observe in the piece. Then students are given an additional 60 seconds to analyze the painting further and list 10 more observations. (Use of artwork other than *The Starry Night* is to get students comfortable with the activity. Use at your discretion.)
- Teacher displays *The Starry Night* and leads students in the "Ten Times Two" activity for this piece.
- Have students share their observations of the artwork and list them on an anchor chart.

**Main Activity**

**Part 1**

- The teacher displays *The Starry Night* on the Promethean board and leads discussion about which stars in the painting are bright, dim, small, or large. After identifying star attributes in the painting, the teacher utilizes <http://thecraftyclassroom.com/crafts/famous-artist-crafts-for-kids/van-gogh-art-project/>. With pencil outlines instead of the glue used in the examples, model how Van Gogh used oil pastels to create each star attribute--size and brightness.
- Teacher models on the document camera or by highlighting over Van Gogh's painting with the Promethean highlighter how to create stars of various sizes and brightness.
- Expectations: 2 small stars (1 bright, 1 dim), 2 medium stars (1 bright, 1 dim), and 1 large star (bright or dim with accurate explanation). See visual arts teacher for assistance on value and techniques.

**Part 2**

- Scaffold creation step by step using <http://thecraftyclassroom.com/crafts/famous-artist-crafts-for-kids/van-gogh-art-project/>.
- Students create their own "Starry Night" artwork, exemplifying the attributes of size and brightness.

**REFLECTION**

**Reflective Strategies (5-10 min)**

- Students partner up and observe each other's pieces. They identify attributes of stars (dimness, brightness, darkness, small, medium and large) in their partner's piece.
- Ask students to describe the attributes they identified in their partner's piece.

**DIFFERENTIATION**

**Below Grade-Level Students:**

- For written reflections, students can use a writing frame to write about their artwork identifying 1-2 of the star attributes and how it was created.

*For example, students can use : My artwork includes \_\_\_\_\_ stars that are bright and \_\_\_\_\_ stars that are dim. My piece also includes \_\_\_\_\_ stars that are large, \_\_\_\_\_ stars that are medium, and \_\_\_\_\_ stars that are small.*

**Above Grade-Level Students:**

- The students write about their artwork identifying 3-4 of the star attributes and how it was created.

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