

# Unit 02: Ceramics\_The Decorative Process

Content Area: **Template**  
Course(s):  
Time Period: **Full Year**  
Length: **FY**  
Status: **Published**

## Standards Alignment

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### New Jersey Student Learning Standards

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VPA.1.1.12.D	Visual Art
VPA.1.1.12.D.1	Distinguish innovative applications of the elements of art and principles of design in visual artworks from diverse cultural perspectives and identify specific cross-cultural themes.
VPA.1.1.12.D.2	Translate literary, musical, theatrical, and dance compositions by using them as stimulus/inspiration for corresponding visual artworks.
VPA.1.2.12	All students will understand the role, development, and influence of the arts throughout history and across cultures.
VPA.1.2.12.A	History of the Arts and Culture
VPA.1.2.12.A.1	Determine how dance, music, theatre, and visual art have influenced world cultures throughout history.
VPA.1.2.12.A.2	Justify the impact of innovations in the arts (e.g., the availability of music online) on societal norms and habits of mind in various historical eras.
VPA.1.3.12.D	Visual Art
VPA.1.3.12.D.1	Synthesize the elements of art and principles of design in an original portfolio of two- and three-dimensional artworks that reflects personal style and a high degree of technical proficiency and expressivity.
VPA.1.3.12.D.2	Produce an original body of artwork in one or more art mediums that demonstrates mastery of visual literacy, methods, techniques, and cultural understanding.
VPA.1.3.12.D.3	Organize an exhibit of personal works of visual art that convey a high level of understanding of how the expression of ideas relates to the art media, art mediums, and techniques used.
VPA.1.3.12.D.4	Analyze the syntax and compositional and stylistic principles of two- and three-dimensional artworks in multiple art media (including computer-assisted artwork), and interpret themes and symbols suggested by the artworks.
VPA.1.3.12.D.5	Identify the styles and artistic processes used in the creation of culturally and historically diverse two- and three-dimensional artworks, and emulate those styles by creating an original body of work.
VPA.1.4.12	All students will demonstrate and apply an understanding of arts philosophies, judgment, and analysis to works of art in dance, music, theatre, and visual art.
VPA.1.4.12.A	Aesthetic Responses
VPA.1.4.12.A.1	Use contextual clues to differentiate between unique and common properties and to discern the cultural implications of works of dance, music, theatre, and visual art.
VPA.1.4.12.A.2	Speculate on the artist's intent, using discipline-specific arts terminology and citing embedded clues to substantiate the hypothesis.

VPA.1.4.12.A.3	Develop informed personal responses to an assortment of artworks across the four arts disciplines (dance, music, theatre, and visual art), using historical significance, craftsmanship, cultural context, and originality as criteria for assigning value to the works.
VPA.1.4.12.A.4	Evaluate how exposure to various cultures influences individual, emotional, intellectual, and kinesthetic responses to artwork.
VPA.1.4.12.B	Critique Methodologies
VPA.1.4.12.B.1	Formulate criteria for arts evaluation using the principles of positive critique and observation of the elements of art and principles of design, and use the criteria to evaluate works of dance, music, theatre, visual, and multimedia artwork from diverse cultural contexts and historical eras.
VPA.1.4.12.B.2	Evaluate how an artist's technical proficiency may affect the creation or presentation of a work of art, as well as how the context in which a work is performed or shown may impact perceptions of its significance/meaning.
VPA.1.4.12.B.3	Determine the role of art and art-making in a global society by analyzing the influence of technology on the visual, performing, and multimedia arts for consumers, creators, and performers around the world.

## **Integration of Career Readiness, Life Literacies and Key Skills**

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CRP.K-12.CRP1	Act as a responsible and contributing citizen and employee.
CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP3	Attend to personal health and financial well-being.
CRP.K-12.CRP4	Communicate clearly and effectively and with reason.
CRP.K-12.CRP5	Consider the environmental, social and economic impacts of decisions.
CRP.K-12.CRP6	Demonstrate creativity and innovation.
CRP.K-12.CRP7	Employ valid and reliable research strategies.
CRP.K-12.CRP8	Utilize critical thinking to make sense of problems and persevere in solving them.
CRP.K-12.CRP9	Model integrity, ethical leadership and effective management.
CRP.K-12.CRP10	Plan education and career paths aligned to personal goals.
CRP.K-12.CRP11	Use technology to enhance productivity.
CRP.K-12.CRP12	Work productively in teams while using cultural global competence.

## **Technology / Integration of Computer Science and Design Thinking**

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TECH.8.1.12	Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.
TECH.8.1.12.F	Critical thinking, problem solving, and decision making: Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.
TECH.8.1.12.F.1	Evaluate the strengths and limitations of emerging technologies and their impact on educational, career, personal and or social needs.

## Interdisciplinary Connections: NJSLs for ELA, Social Studies, Science and/or Math Section

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### Capacities of the Literate Individual

#### Students Who are College and Career Ready in Reading, Writing, Speaking, Listening, & Language

They demonstrate independence.

They build strong content knowledge.

They respond to the varying demands of audience, task, purpose, and discipline.

They comprehend as well as critique.

They value evidence.

They use technology and digital media strategically and capably.

They come to understand other perspectives and cultures.

#### Key Ideas and Details

LA.K-12.NJSLSA.R1 Read closely to determine what the text says explicitly and to make logical inferences and relevant connections from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

LA.K-12.NJSLSA.R2 Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.

LA.K-12.NJSLSA.R3 Analyze how and why individuals, events, and ideas develop and interact over the course of a text.

#### Craft and Structure

LA.K-12.NJSLSA.R4 Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.

LA.K-12.NJSLSA.R5 Analyze the structure of texts, including how specific sentences, paragraphs, and larger portions of the text (e.g., a section, chapter, scene, or stanza) relate to each other and the whole.

LA.K-12.NJSLSA.R6 Assess how point of view or purpose shapes the content and style of a text.

#### Integration of Knowledge and Ideas

LA.K-12.NJSLSA.R7 Integrate and evaluate content presented in diverse media and formats, including visually and quantitatively, as well as in words.

LA.K-12.NJSLSA.R8 Delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence.

LA.K-12.NJSLSA.R9 Analyze and reflect on how two or more texts address similar themes or topics in order to

build knowledge or to compare the approaches the authors take.

#### Range of Reading and Level of Text Complexity

LA.K-12.NJSLSA.R10	Read and comprehend complex literary and informational texts independently and proficiently with scaffolding as needed.
LA.RI.11-12	Reading Informational Text
LA.K-12.NJSLSA.W	Writing
LA.RI.11-12.1	Accurately cite strong and thorough textual evidence, (e.g., via discussion, written response, etc.), to support analysis of what the text says explicitly as well as inferentially, including determining where the text leaves matters uncertain.
LA.RI.11-12.2	Determine two or more central ideas of a text, and analyze their development and how they interact to provide a complex analysis; provide an objective summary of the text.
LA.RI.11-12.3	Analyze a complex set of ideas or sequence of events and explain how specific individuals, ideas, or events interact and develop over the course of the text.
LA.K-12.NJSLSA.W3	Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences.
LA.RI.11-12.4	Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze how an author uses and refines the meaning of a key term or terms over the course of a text (e.g., how Madison defines faction in Federalist No. 10).
LA.RI.11-12.5	Analyze and evaluate the effectiveness of the structure an author uses in his or her exposition or argument, including whether the structure makes points clear, convincing, and engaging.
	Production and Distribution of Writing
LA.RI.11-12.6	Determine an author's point of view or purpose in a text in which the rhetoric is particularly effective, analyzing how style and content contribute to the power, persuasiveness or beauty of the text.
LA.K-12.NJSLSA.W4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
LA.K-12.NJSLSA.W5	Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.
LA.K-12.NJSLSA.W6	Use technology, including the Internet, to produce and publish writing and to interact and collaborate with others.
LA.RI.11-12.7	Integrate and evaluate multiple sources of information presented in different media or formats (e.g., visually, quantitatively) as well as in words in order to address a question or solve a problem.
	Research to Build and Present Knowledge
LA.RI.11-12.8	Describe and evaluate the reasoning in seminal U.S. and global texts, including the application of constitutional principles and use of legal reasoning (e.g., in U.S. Supreme Court majority opinions and dissents) and the premises, purposes, and arguments in works of public advocacy (e.g., The Federalist, presidential addresses).
LA.K-12.NJSLSA.W7	Conduct short as well as more sustained research projects, utilizing an inquiry-based research process, based on focused questions, demonstrating understanding of the subject under investigation.
LA.RI.11-12.9	Analyze and reflect on (e.g., practical knowledge, historical/cultural context, and background knowledge) documents of historical and literary significance for their themes, purposes and rhetorical features, including primary source documents relevant to U.S. and/or global history.
LA.K-12.NJSLSA.W8	Gather relevant information from multiple print and digital sources, assess the credibility

	and accuracy of each source, and integrate the information while avoiding plagiarism.
LA.RI.11-12.10a	By the end of grade 11, read and comprehend literary nonfiction at grade level text-complexity or above with scaffolding as needed.
LA.K-12.NJSLSA.W9	Draw evidence from literary or informational texts to support analysis, reflection, and research.
LA.RI.11-12.10b	By the end of grade 12, read and comprehend literary nonfiction at grade level text-complexity or above.
LA.W.11-12.3	Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences.
LA.W.11-12.3.A	Engage and orient the reader by setting out a problem, situation, or observation and its significance, establishing one or multiple point(s) of view, and introducing a narrator and/or characters; create a smooth progression of experiences or events.
LA.W.11-12.3.B	Use narrative techniques, such as dialogue, pacing, description, reflection, and multiple plot lines, to develop experiences, events, and/or characters.
LA.W.11-12.3.C	Use a variety of techniques to sequence events so that they build on one another to create a coherent whole and build toward a particular tone and outcome (e.g., a sense of mystery, suspense, growth, or resolution).
LA.W.11-12.3.D	Use precise words and phrases, telling details, and sensory language to convey a vivid picture of the experiences, events, setting, and/or characters.
LA.W.11-12.3.E	Provide a conclusion that follows from and reflects on what is experienced, observed, or resolved over the course of the narrative.
LA.W.11-12.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1–3 above.)
LA.W.11-12.5	Develop and strengthen writing as needed by planning, revising, editing, rewriting, trying a new approach, or consulting a style manual (such as MLA or APA Style), focusing on addressing what is most significant for a specific purpose and audience.
LA.W.11-12.6	Use technology, including the Internet, to produce, share, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.
LA.W.11-12.7	Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
LA.W.11-12.8	Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation. (MLA or APA Style Manuals).
LA.W.11-12.9	Draw evidence from literary or informational texts to support analysis, reflection, and research.
LA.W.11-12.9.A	Apply grades 11–12 Reading standards to literature (e.g., “Demonstrate knowledge of eighteenth-, nineteenth- and early-twentieth-century foundational works, including how two or more texts from the same period treat similar themes or topics”).
LA.W.11-12.9.B	Apply grades 11–12 Reading standards to literary nonfiction (e.g., “Delineate and evaluate the reasoning in seminal texts, including the application of constitutional principles and use of legal reasoning [e.g., in U.S. Supreme Court Case majority opinions and dissents] and the premises, purposes, and arguments in works of public advocacy [e.g., The Federalist, presidential addresses]”).

## **Integration of Diversity, Equity and Inclusion; Climate Change; Informational and Media Literacy New Section**

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see Crosswalks

## **21st Century Life and Careers**

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### **Stage I: Desired Results**

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### **Transfer/Overview/Rationale**

#### **Transfer / Overview / Rationale**

Unit Rationale

The purpose of this unit...

**Applying glaze to a fired piece of clay can enhance the piece both on an aesthetic and functional level.**

### **Meaning**

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### **Essential Questions**

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Essential Questions

- Why do we use glazes to decorate bisque ware?
- What are some ways we can use glazes for decorating?
- What is the process of glazing and firing in ceramics?
- When you apply a color to bisque ware, why does it look different when it comes out of the kiln?
- Why is it important to know what glazes your using, opposed to the experimental method?
- What countries and cultures have influenced design and application of glaze for artists today?

## **Enduring Understanding/Indicators of Understanding**

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### Enduring Understanding/Indicators of Understanding

- There is a wide variety of techniques and materials used for application of low fire glazing including but not limited to chalk and pencil glazes, underglazes, layering, liquid gloss glaze, textured glazes, brushing, dipping, spraying, scratching, stenciling, etc.
- A fired glazes piece is similar to covering a piece in glass. Sealing it makes it resistant to stains and food safe by choice.
- Glazes come in thousands of combinations of colors, textures, styles and types that can be applied in many different ways and fired at a range of temperatures.
- Glazes can be the most exciting part of Ceramics as it can transform the piece completely.
- The heat of the kiln causes a chemical reaction in the glazes that alters their appearance.
- Characteristics in design highlight cultures and places around the world, influencing contemporary artists and practices today.

## **Acquisition (Student Learning Objectives)**

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### **Knowledge**

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#### Knowledge

Students will know...

#### *Terms*

Primary, Secondary, Tertiary, Analogous, Complementary

2-dimensional

3-dimensional

Bisque

Composition

Fire

Kiln

Stilts

Leather hard

Glaze

Slip

Food Safe

Glaze brushes

Stencils

Template

Underglaze

Sgraffito

Liquid Gloss

Matte

Majolica

In-glaze

Key Figures/Places

California

Italian Renaissance Artists & Majolica

Nepal

India

Egypt

Mexico

China

## **Skills**

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Skills

Student will be skilled at ...

- Recognizing safety protocols in glaze use.
- Recognizing food safe glazes and decorative use only glazes.
- Understanding the properties and uses of ceramic glazes.
- Using technology to look up glaze samples and final products.
- Using chalk and pencil glazes

- Using knowledge of color mixing to create custom glazes.
- Glazing bisque ware and leather-hard greenware.
- Designing and creating stencils for design.

## **Stage 3: Learning Plan**

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### **Resource and Mentor Texts**

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#### Resources and Mentor Texts

- <http://kilnarts.org/education/ceramic-pottery/the-basics-of-glaze/>
- <http://ceramicartsdaily.org/education/instructor-and-student-resources/>
- <http://ceramicartsdaily.org/free-gifts/ceramic-raw-materials-understanding-ceramic-glaze-ingredients-and-clay-making-materials/>
- <http://ceramicartsdaily.org/education/lesson-plans-home/lesson-plans-grades-9-12/>
- [https://www.youtube.com/watch?v=ho7W4lbkQUE&list=PLe\\_-mqfgXXxV1mcrbO1bEkk33do7o7rBh](https://www.youtube.com/watch?v=ho7W4lbkQUE&list=PLe_-mqfgXXxV1mcrbO1bEkk33do7o7rBh)
- [https://www.youtube.com/watch?v=lnKcztD\\_Dy4](https://www.youtube.com/watch?v=lnKcztD_Dy4)
- <https://www.youtube.com/watch?v=xxokLMeTWHI>
- <https://www.youtube.com/watch?v=66jXg9LNwsM>
- <https://www.youtube.com/watch?v=ARBFTQ0FcP4>
- <https://www.youtube.com/watch?v=9f4iGfwwndo>
- <https://www.youtube.com/watch?v=FdiuTivvthQ>
- <http://ceramics.org/learn-about-ceramics/history-of-ceramics>
- <http://www.ceramicstoday.com/>
- <http://ceramicartsdaily.org/ceramics-monthly/>
- <http://www.goshen.edu/art/DeptPgs/Hazards.html>
- <http://www.goshen.edu/art/DeptPgs/clean.html>
- <http://www.goshen.edu/art/DeptPgs/CerLinks.htm>
- <http://ceramicartsdaily.org/category/pottery-making-techniques/ceramic-decorating-techniques/>
- [https://www.youtube.com/watch?v=jm7I0\\_P0jhc](https://www.youtube.com/watch?v=jm7I0_P0jhc)
- <https://www.youtube.com/watch?v=uesYm179p7g>
- [https://www.youtube.com/watch?v=\\_85QWDsla80](https://www.youtube.com/watch?v=_85QWDsla80)
- <http://www.learnnc.org/lp/pages/4936>

### **Formative Assessment Strategies**

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#### Formative Assessment Strategies

- The instructor will conduct daily observations of student progress, effort, and participation. At the conclusion of the project, a one to one conference will be held with each student about the creative process and their final presentation of their design.
- Students will reflect on the quality of their work through a variety of strategies. Peer to peer and student to

teacher critique can be conducted through round robin writing exercises, oral discussion as a class or one to one.

## **Learning Activities/Unit of Study**

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### Learning Activities/Unit of Study

*Thumbnail sketches in a sketchbook will be created for each project below.*

- Using test tiles, organized chart books, and technology students will understand the properties and characteristics of the glazes available for use.
- Glaze one pinch pot
- Glaze one pinch pot vase using chalk crayons and underglaze.
- Glaze one coil-built vase which color and style will represent a form of historical pottery.
- Using custom made stencils, glaze a slab built box with a lid.

## **Modifications and/or Accommodations**

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### **Suggested Modifications (ELL, Sp. Ed, Gifted, At-risk of Failure)**

#### **English Language Learners**

Native language support: The teacher provides auditory or written content to students in their native language.

Adjusted Speech: The teacher changes speech patterns to increase student comprehension. This could include facing the students, paraphrasing, clearly indicating the most important ideas, and speaking more slowly.

Visuals: The teacher uses graphics, pictures, visuals, and manipulatives. This helps ELL students better understand and comprehend the subjects at hand.

Front-Loading Vocabulary: The teacher front loads vocabulary. This means providing students with a list of important vocabulary words they will need to know for a book, lesson, etc. prior to the lesson being taught. Including pictures to go with the vocabulary words is also very beneficial for the students.

#### **Special Education Students**

Chunking: The teacher presents information in a way that makes it easy for students to understand

and remember. Chunking is based on the presumption that our working memory is easily overloaded by excessive detail. The best way to deliver information is to organize it into meaningful units. Because students with special needs get overloaded easily, chunking is an effective strategy to use with them.

**Checking for Understanding:** It is important to constantly check for understanding, especially for students who have accommodations. Teachers want to make sure students understand the concepts being covered in a way that makes sense to them.

**Extra time:** The teacher provides students with special needs extra time to complete work or answer questions. It is important to give students enough time to process their thoughts.

**Oral Reading:** The teacher will read work orally to students. Class work such as tests and literature circles may need to be read aloud to the student.

**Timers:** The teacher will use timers as an instructional tool. The use of timers is beneficial for students who have trouble completing tasks. Timers can be helpful so the student is aware of how much time they have to complete an assignment.

## **Students with 504 Plans**

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## **Gifted & Talented Strategies**

**Extensions/Enrichments:** Teachers will provide gifted and talented students with extension/enrichment projects. Students will be challenged to further their understanding, to apply acquired knowledge, and/or to produce something in reference to acquired knowledge.

**Modify/Change Activities:** Teachers will monitor and modify activities to accommodate those students who need to be challenged further. Additional reading, problem-solving, writing, or project work is necessary for those students who are ready to move on at a rate more accelerated than their peers. In this way, G & T students are provided the same opportunity for support as special needs students.

## Students at Risk of School Failure

**Directions or Instructions:** Make sure directions and/or instructions are given in limited numbers. Give directions/instructions verbally and in simple written format. Ask students to repeat the instructions or directions to ensure understanding occurs. Check back with the student to ensure he/she hasn't forgotten.

**Peer Support:** Peers can help build confidence in other students by assisting in peer learning. Many teachers use the 'ask 3 before me' approach. This is fine, however, a student at risk may have to have a specific student or two to ask. Set this up for the student so he/she knows who to ask for clarification before going to you.

**Alternate or Modified Assignments:** Always ask yourself, "How can I modify this assignment to ensure the students at risk are able to complete it?" Sometimes you'll simplify the task, reduce the length of the assignment or allow for a different mode of delivery. For instance, many students may hand something in, the at-risk student may jot notes and give you the information verbally. Or, it just may be that you will need to assign an alternate assignment.

**Increase One to One Time:** When other students are working, always touch base with your students at risk and find out if they're on track or needing some additional support. A few minutes here and there will go a long way to intervene as the need presents itself.

**Contracts:** It helps to have a working contract between you and your students at risk. This helps prioritize the tasks that need to be done and ensure completion happens. Each day write down what needs to be completed, as the tasks are done, provide a checkmark or happy face. The goal of using contracts is to eventually have the student come to you for completion sign-offs.

**Hands On:** As much as possible, think in concrete terms and provide hands-on tasks. This means a child doing math may require a calculator or counters. The child may need to tape record comprehension activities instead of writing them. A child may have to listen to a story being read instead of reading it him/herself.

**Tests/Assessments:** Tests can be done orally if need be. Break tests down in smaller increments by having a portion of the test in the morning, another portion after lunch and the final part the next day.

**Seating:** Seat students near a helping peer or with quick access to the teacher. Those with hearing or sight issues need to be close to the instruction which often means near the front.