

COURSE TITLE

3D Design

LENGTH

Half Year
Grades 7 and/or 8

DEPARTMENT

Fine, Practical & Performing Arts
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SCHOOL

Union School

DATE

Initial Approval: April 4, 2016
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3D Design

I. Introduction/Overview/Philosophy

Three Dimensional Design provides students with the opportunity to develop a basic knowledge and understanding of organizing forms in three dimensions. Students use materials to explore line, plane and volume. Experiences include working with plaster, paper, found objects, cardboard and clay. Emphasis will be on experimentation, the development of technical skill and creative problem solving.

II. Objectives

Course Outline:

- A. Preliminary sketches
- B. Experimentation with low/high relief sculpture:
 - a. Paper
 - 1. Constructing forms
 - 2. Rolling
 - 3. Bending
 - 4. Folding
 - 5. Gluing
 - 6. Cutting
 - b. Plaster
 - 1. Casting
 - 2. Molding
 - 3. Manipulation of forms
 - c. Cardboard
 - 1. Cutting
 - 2. Gluing
 - 3. Layering
 - d. Wire
 - 1. Contour Line
 - 2. Bending
 - 3. Overlapping
 - e. Printmaking
 - 1. Carving on clay or linoleum block
 - f. Clay

Student Outcomes:

After successfully completing this course:

- Students will develop the ability to effectively use:
 - Paper forms
 - Cardboard
 - Plaster
 - Clay
 - Wire
 - Found objects

- Students will be able to demonstrate:
 - Basic hand building techniques
 - Successful manipulation of forms
 - Cutting skills (scissors, x-acto knives)
 - Understanding of sculpture as an art form
 - Appreciation for relief sculpture
 - Ability to develop a preliminary sketch for reference
 - Proper care of materials

- Students will develop an understanding of the elements of design:
 - Line
 - Shape
 - Form
 - Space
 - Value
 - Color
 - Texture

- Students will develop an awareness of basic sculptural terms:
 - Shape
 - Form
 - Low relief sculpture
 - High relief sculpture
 - Pinching
 - Sculpting
 - Glaze
 - Arrangement

**NEW JERSEY STUDENT LEARNING STANDARDS
VISUAL AND PERFORMING ARTS**

STANDARD 1.1: THE CREATIVE PROCESS: ALL STUDENTS WILL DEMONSTRATE AN UNDERSTANDING OF THE ELEMENTS AND PRINCIPLES THAT GOVERN THE CREATION OF WORKS OF ART IN DANCE, MUSIC, THEATRE, AND VISUAL ART.

Strand D. Visual Art

1.1.8.D.1 - Describe the intellectual and emotional significance conveyed by the application of the elements of art and principles of design in different historical eras and cultures.

1.1.8.D.2 - Compare and contrast various masterworks of art from diverse cultures, and identify elements of the works that relate to specific cultural heritages.

STANDARD 1.2: HISTORY OF THE ARTS AND CULTURE: ALL STUDENTS WILL UNDERSTAND THE ROLE, DEVELOPMENT, AND INFLUENCE OF THE ARTS THROUGHOUT HISTORY AND ACROSS CULTURES.

Strand A. History of the Arts and Culture

1.2.8.A.1 - Map historical innovations in dance, music, theatre, and visual art that were caused by the creation of new technologies.

1.2.8.A.2 - Differentiate past and contemporary works of dance, music, theatre, and visual art that represent important ideas, issues, and events that are chronicled in the histories of diverse cultures.

1.2.8.A.3 - Analyze the social, historical, and political impact of artists on culture and the impact of culture on the arts.

STANDARD 1.3: PERFORMANCE: ALL STUDENTS WILL SYNTHESIZE THOSE SKILLS, MEDIA, METHODS, AND TECHNOLOGIES APPROPRIATE TO CREATING, PERFORMING, AND/OR PRESENTING WORKS OF ART IN DANCE, MUSIC, THEATRE, AND VISUAL ART.

Strand D. Visual Art

1.3.8.D.1 - Incorporate various art elements and the principles of balance, harmony, unity, emphasis, proportion, and rhythm/movement in the creation of two- and three- dimensional artworks, using a broad array of art media and art mediums to enhance the expression of creative ideas (e.g., perspective, implied space, illusionary depth, value, and pattern).

1.3.8.D.2 - Apply various art media, art mediums, technologies, and processes in the creation of allegorical, theme-based, two- and three-dimensional works of art, using tools and technologies that are appropriate to the theme and goals.

1.3.8.D.3 - Identify genres of art (including realism, abstract/nonobjective art, and conceptual art) within various contexts using appropriate art vocabulary, and solve hands-on visual problems using a variety of genre styles.

1.3.8.D.4 - Delineate the thematic content of multicultural artworks, and plan, design, and execute multiple solutions to challenging visual arts problems, expressing similar thematic content.

1.3.8.D.5 - Examine the characteristics, thematic content, and symbolism found in works of art from diverse cultural and historical eras, and use these visual statements as inspiration for original artworks.

1.3.8.D.6 - Synthesize the physical properties, processes, and techniques for visual communication in multiple art media (including digital media), and apply this knowledge to the creation of original artworks.

STANDARD 1.4: AESTHETIC RESPONSES & CRITIQUE METHODOLOGIES: ALL STUDENTS WILL DEMONSTRATE AND APPLY AN UNDERSTANDING OF ARTS PHILOSOPHIES, JUDGEMENT, AND ANALYSIS TO WORK OF ART IN DANCE, MUSIC, THEATRE, AND VISUAL ART.

Strand A. Aesthetic Responses

1.4.8.A.1 - Generate observational and emotional responses to diverse culturally and historically specific works of dance, music, theatre, and visual art

1.4.8.A.2 - Identify works of dance, music, theatre, and visual art that are used for utilitarian and non-utilitarian purposes.

1.4.8.A.3 - Distinguish among artistic styles, trends, and movements in dance, music, theatre, and visual art within diverse cultures and historical eras.

1.4.8.A.4 - Compare and contrast changes in the accepted meanings of known artworks over time, given shifts in societal norms, beliefs, or values.

1.4.8.A.5 - Interpret symbolism and metaphors embedded in works of dance, music, theatre, and visual art.

1.4.8.A.6 - Differentiate between “traditional” works of art and those that do not use conventional elements of style to express new ideas.

1.4.8.A.7 - Analyze the form, function, craftsmanship, and originality of representative works of dance, music, theatre, and visual art.

Strand B. Critique Methodologies

1.4.8.B.1 - Evaluate the effectiveness of a work of art by differentiating between the artist’s technical proficiency and the work’s content or form.

1.4.8.B.2 - Differentiate among basic formal structures and technical proficiency of artists in works of dance, music, theatre, and visual art.

1.4.8.B.3 - Compare and contrast examples of archetypal subject matter in works of art from diverse cultural contexts and historical eras by writing critical essays.

**21ST CENTURY LIFE AND CAREERS
CAREER READY PRACTICES*****CRP1 Act as a responsible and contributing citizen and employee***

Career-ready individuals understand the obligations and responsibilities of being a member of a community, and they demonstrate this understanding every day through their interactions with others. They are conscientious of the impacts of their decisions on others and the environment around them. They think about the near-term and long-term consequences of their actions and seek to act in ways that contribute to the betterment of their teams, families, community and workplace. They are reliable and consistent in going beyond the minimum expectation and in participating in activities that serve the greater good.

CRP2 Apply appropriate academic and technical skills

Career-ready individuals readily access and use the knowledge and skills acquired through experience and education to be more productive. They make connections between abstract concepts with real-world applications, and they make correct insights about when it is appropriate to apply the use of an academic skill in a workplace situation

CRP3 Attend to personal health and financial well-being

Career-ready individuals understand the relationship between personal health, workplace performance and personal well-being; they act on that understanding to regularly practice healthy diet, exercise and mental health activities. Career-ready individuals also take regular action to contribute to their personal financial wellbeing, understanding that personal financial security provides the peace of mind required to contribute more fully to their own career success.

CRP4 Communicate clearly and effectively and with reason.

Career-ready individuals communicate thoughts, ideas, and action plans with clarity, whether using written, verbal, and/or visual methods. They communicate in the workplace with clarity and purpose to make maximum use of their own and others' time. They are excellent writers; they master conventions, word choice, and organization, and use effective tone and presentation skills to articulate ideas. They are skilled at interacting with others; they are active listeners and speak clearly and with purpose. Career-ready individuals think about the audience for their communication and prepare accordingly to ensure the desired outcome.

CRP5 Consider the environmental, social and economic impacts of decisions.

Career-ready individuals understand the interrelated nature of their actions and regularly make decisions that positively impact and/or mitigate negative impact on other people, organization, and the environment. They are aware of and utilize new technologies, understandings, procedures, materials, and regulations affecting the nature of their work as it relates to the impact on the social condition, the environment and the profitability of the organization.

CRP6 Demonstrate creativity and innovation

Career-ready individuals regularly think of ideas that solve problems in new and different ways, and they contribute those ideas in a useful and productive manner to improve their organization. They can consider unconventional ideas and suggestions as solutions to issues, tasks or problems, and they discern which ideas and suggestions will add greatest value. They seek new methods, practices, and ideas from a variety of sources and seek to apply those ideas to their own workplace. They take action on their ideas and understand how to bring innovation to an organization.

CRP7 Employ valid and reliable research strategies

Career-ready individuals are discerning in accepting and using new information to make decisions, change practices or inform strategies. They use reliable research process to search for new information. They evaluate the validity of sources when considering the use and adoption of external information or practices in their workplace situation.

CRP8 Utilize critical thinking to make sense of problems and persevere in solving them

Career-ready individuals readily recognize problems in the workplace, understand the nature of the problem, and devise effective plans to solve the problem. They are aware of problems when they occur and take action quickly to address the problem; they thoughtfully investigate the root cause of the problem prior to introducing solutions. They carefully consider the options to solve the problem. Once a solution is agreed upon, they follow through to ensure the problem is solved, whether through their own actions or the actions of others.

CRP9 Model integrity, ethical leadership and effective management

Career-ready individuals consistently act in ways that align personal and community-held ideals and principles while employing strategies to positively influence others in the workplace. They have a clear understanding of integrity and act on this understanding in every decision. They use a variety of means to positively impact the directions and actions of a team or organization, and they apply insights into human behavior to change others' action, attitudes and/or beliefs. They recognize the near-term and long-term effects that management's actions and attitudes can have on productivity, morals and organizational culture.

CRP10 Plan education and career paths aligned to personal goals

Career-ready individuals take personal ownership of their own education and career goals, and they regularly act on a plan to attain these goals. They understand their own career interests, preferences, goals, and requirements. They have perspective regarding the pathways available to them and the time, effort, experience and other requirements to pursue each, including a path of entrepreneurship. They recognize the value of each step in the education and experiential process, and they recognize that nearly all career paths require ongoing education and experience. They seek counselors, mentors, and other experts to assist in the planning and execution of career and personal goals.

CRP11 Use technology to enhance productivity

Career-ready individuals find and maximize the productive value of existing and new technology to accomplish workplace tasks and solve workplace problems. They are flexible and adaptive in acquiring new technology. They are proficient with ubiquitous technology applications. They understand the inherent risks-personal and organizational-of technology applications, and they take actions to prevent or mitigate these risks.

CRP12 Work productively in teams while using cultural global competence

Career-ready individuals positively contribute to every team, whether formal or informal. They apply an awareness of cultural difference to avoid barriers to productive and positive interaction. They find ways to increase the engagement and contribution of all team members. They plan and facilitate effective team meetings.

TECHNOLOGY STANDARDS

STANDARD 8.1: 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.

A. Technology Operations and Concepts: *Students demonstrate a sound understanding of technology concepts, systems and operations.*

8.1.8.A.1 - Demonstrate knowledge of a real world problem using digital tools.

8.1.8.A.2 - Create a document (e.g. newsletter, reports, personalized learning plan, business letters or flyers) using one or more digital applications to be critiqued by professionals for usability.

8.1.8.A.3 - Use and/or develop a simulation that provides an environment to solve a real world problem or theory.

8.1.8.A.4 - Graph and calculate data within a spreadsheet and present a summary of the results

8.1.8.A.5 - Create a database query, sort and create a report and describe the process, and explain the report results.

B. Creativity and Innovation: *Students demonstrate creative thinking, construct knowledge and develop innovative products and process using technology.*

8.1.8.B.1 - Synthesize and publish information about a local or global issue or event (ex. telecollaborative project, blog, school web).

C. Communication and Collaboration: *Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.*

8.1.8.C.1 - Collaborate to develop and publish work that provides perspectives on a global problem for discussions with learners from other countries.

D. Digital Citizenship: *Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.*

8.1.8.D.1 - Understand and model appropriate online behaviors related to cyber safety, cyber bullying, cyber security, and cyber ethics including appropriate use of social media.

8.1.8.D.2 - Demonstrate the application of appropriate citations to digital content.

8.1.8.D.3 - Demonstrate an understanding of fair use and Creative Commons to intellectual property.

8.1.8.D.4 - Assess the credibility and accuracy of digital content.

8.1.8.D.5 - Understand appropriate uses for social media and the negative consequences of misuse.

E: Research and Information Fluency: *Students apply digital tools to gather, evaluate, and use information.*

8.1.8.E.1 - Effectively use a variety of search tools and filters in professional public databases to find information to solve a real world problem.

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.*

8.1.8.F.1 - Explore a local issue, by using digital tools to collect and analyze data to identify a solution and make an informed decision.

TECHNOLOGY STANDARDS

STANDARD 8.2: TECHNOLOGY EDUCATION, ENGINEERING, DESIGN, AND COMPUTATIONAL THINKING – PROGRAMMING: ALL STUDENTS WILL DEVELOP AN UNDERSTANDING OF THE NATURE AND IMPACT OF TECHNOLOGY, ENGINEERING, TECHNOLOGICAL DESIGN, COMPUTATIONAL THINKING, AND THE DESIGNED WORLD AS THEY RELATE TO THE INDIVIDUAL, GLOBAL SOCIETY, AND THE ENVIRONMENT.

A. The Nature of Technology: Creativity and Innovation *Technology systems impact every aspect of the world in which we live.*

8.2.8.A.1 - Research a product that was designed for a specific demand and identify how the product has changed to meet new demands (i.e. telephone for communication - smart phone for mobility needs).

8.2.8.A.2 - Examine a system, consider how each part relates to other parts, and discuss a part to redesign to improve the system.

8.2.8.A.3 - Investigate a malfunction in any part of a system and identify its impacts.

8.2.8.A.4 - Redesign an existing product that impacts the environment to lessen its impact(s) on the environment.

8.2.8.A.5 - Describe how resources such as material, energy, information, time, tools, people, and capital contribute to a technological product or system.

B. Technology and Society: *Knowledge and understanding of human, cultural and societal values are fundamental when designing technological systems and products in the global society.*

8.2.8.B.1 - Evaluate the history and impact of sustainability on the development of a designed product or system over time and present results to peers.

8.2.8.B.2 - Identify the desired and undesired consequences from the use of a product or system.

8.2.8.B.3 - Research and analyze the ethical issues of a product or system on the environment and report findings for review by peers and /or experts.

8.2.8.B.4 - Research examples of how humans can devise technologies to reduce the negative consequences of other technologies and present your findings.

8.2.8.B.5 - Identify new technologies resulting from the demands, values, and interests of individuals, businesses, industries and societies.

8.2.8.B.6 - Compare and contrast the different types of intellectual property including copyrights, patents and trademarks.

8.2.8.B.7 - Analyze the historical impact of waste and demonstrate how a product is upcycled, reused or remanufactured into a new product.

C. Design: *The design process is a systematic approach to solving problems.*

8.2.8.C.1 - Explain how different teams/groups can contribute to the overall design of a product.

8.2.8.C.2 - Explain the need for optimization in a design process.

8.2.8.C.3 - Evaluate the function, value, and aesthetics of a technological product or system, from the perspective of the user and the producer.

8.2.8.C.4 - Identify the steps in the design process that would be used to solve a designated problem.

8.2.8.C.5 - Explain the interdependence of a subsystem that operates as part of a system.

8.2.8.C.5a - Create a technical sketch of a product with materials and measurements labeled.

8.2.8.C.6 - Collaborate to examine a malfunctioning system and identify the step-by-step process used to troubleshoot, evaluate and test options to repair the product, presenting the better solution.

8.2.8.C.7 - Collaborate with peers and experts in the field to research and develop a product using the design process, data analysis and trends, and maintain a design log with annotated sketches to record the developmental cycle.

8.2.8.C.8 - Develop a proposal for a chosen solution that include models (physical, graphical or mathematical) to communicate the solution to peers.

D. Abilities for a Technological World: *The designed world is the product of a design process that provides the means to convert resources into products and systems.*

8.2.8.D.1 - Design and create a product that addresses a real world problem using a design process under specific constraints.

8.2.8.D.2 - Identify the design constraints and trade-offs involved in designing a prototype (e.g., how the prototype might fail and how it might be improved) by completing a design problem and reporting results in a multimedia presentation, design portfolio or engineering notebook.

8.2.8.D.3 - Build a prototype that meets a STEM-based design challenge using science, engineering, and math principles that validate a solution.

8.2.8.D.4 - Research and publish the steps for using and maintaining a product or system and incorporate diagrams or images throughout to enhance user comprehension.

8.2.8.D.5 - Explain the impact of resource selection and the production process in the development of a common or technological product or system.

8.2.8.D.6 - Identify and explain how the resources and processes used in the production of a current technological product can be modified to have a more positive impact on the environment.

E. Computational Thinking: Programming: *Computational thinking builds and enhances problem solving, allowing students to move beyond using knowledge to creating knowledge.*

8.2.8.E.1 - Identify ways computers are used that have had an impact across the range of human activity and within different careers where they are used.

8.2.8.E.2 - Demonstrate an understanding of the relationship between hardware and software.

8.2.8.E.3 - Develop an algorithm to solve an assigned problem using a specified set of commands and use peer review to critique the solution.

8.2.8.E.4 - Use appropriate terms in conversation (e.g., programming, language, data, RAM, ROM, Boolean logic terms).

21ST CENTURY LIFE AND CAREERS**STANDARD 9.2: CAREER AWARENESS, EXPLORATION, AND PREPARATION**

- 9.2.8.B.1 – Research careers within the 16 Career Clusters ® and determine attributes of career success.
- 9.2.8.B.2 – Develop a Personalized Student Learning Plan with the assistance of an adult mentor that includes information about career areas if interest, goals and an educational plan.
- 9.2.8.B.3 – Evaluate communication, collaboration, and leadership skills that can be developed through school, home, work, and extracurricular activities for use in a career.
- 9.2.8.B.4 – Evaluate how traditional and nontraditional careers have evolved regionally, nationally, and globally.
- 9.2.8.B.5 – Analyze labor market trends using state and federal labor market information and other resources available online.
- 9.2.8.B.6 – Demonstrate understanding of the necessary preparation and legal requirements to enter the workforce.
- 9.2.8.B.7 – Evaluate the impact of online activities and social media on employer decisions.

III. Proficiency Levels

Three Dimensional Design is an elective open to students in Grades 7 and 8. There is no prerequisite.

IV. Methods of Assessment

Student Assessment

- A variety of assessments will be provided including, but not limited to, the following items:
 - Tests
 - Quizzes
 - Homework
 - Classwork
 - Class Participation
 - Writing Assignments
 - Oral Presentations
 - Individual Projects, Presentations and Reports
 - Group Projects, Presentations and Reports
 - Technology Projects
 - Journals
 - Projects
 - Critique
 - Student Work

Curriculum/Teacher Assessment

The teacher will provide the subject area supervisor with suggestions for changes on an ongoing basis.

V. Grouping

Three Dimensional Design is an elective course open to students in Grades 7 and 8.

VI. Articulation/Scope & Sequence/Time Frame

Three Dimensional Design is a one-semester elective course.

VII. Resources

Texts/Supplemental Reading/References

- Art and resource books
- Art prints
- Art articles (Artnet, ARTnews)
- Computer
- Videos
- Materials and Tools
 - Paper
 - Model Magic
 - Plaster strips
 - Hand building tools
 - Cardboard
 - X-Acto knives
 - Wire
 - Paint (acrylic, tempera)
 - Found/recycled objects
 - Mounting and display materials
 - Ink

VIII. Suggested Activities

- Study the value of personal work and the work of others in terms of time, effort, and energy needed for its completion.
- Work on an individual basis, as well as with a group.
- Use proper art terminology.
- Individual and group critique of student artwork as well as various pieces of art from different cultures and historical time periods.

IX. Methodologies

A wide variety of methodologies will be used. The following are suggestions, not limitations, as to how the program may be implemented and facilitated. Codes refer to the New Jersey Student Learning Standards for 21st Century Life and Careers – Career Ready Practices (2014).

- Cooperative learning groups CRP1, CRP4, CRP5, CRP6, CRP8, CRP9, CRP12
- Differentiated instruction methods CRP2, CRP6, CRP8, CRP10
- Workshop approach CRP1, CRP4, CRP5, CRP6, CRP8, CRP9, CRP12
- Individual assignments CRP2, CRP4
- Whole class instruction CRP2, CRP4
- Small group instruction CRP1, CRP4, CRP5, CRP6, CRP8, CRP9, CRP12
- Technology-aided instruction CRP2, CRP4, CRP8, CRP11
- Peer-to-peer instruction CRP1, CRP4, CRP9, CRP12

Career Ready Practices describe the career-ready skills that all educators in all content areas should seek to develop in their students. They are practices that have been linked to increase college, career and life success. By end of grade 8, students will be able to:

9.2.8.B.1 – Research careers and determine attributes of career success.

9.2.8.B.2 – Develop a Personalized Student Learning Plan with the assistance of an adult mentor that includes information about career areas of interest, goals and an education plan.

9.2.8.B.3 – Evaluate communication, collaboration, and leadership skills that can be developed through school, home, work, and extracurricular activities for use in a career.

9.2.8.B.4 – Evaluate how traditional and nontraditional careers have evolved regionally, nationally, and globally.

9.2.8.B.5 – Analyze labor market trends using state and federal labor market information and other resources available online.

9.2.8.B.6 – Demonstrate understanding of the necessary preparation of legal requirements to enter the workforce.

9.2.8.B.7 – Evaluate the impact of online activities and social media on employer decisions.

X. Interdisciplinary Connections

Interdisciplinary curriculum coordination will be done with other departments on a regular basis.

The nature of the art discipline demands varied access any of the following areas: social studies/history, music, science, mathematics, business, and/or technology.

This art course may reinforce concepts taught in:

- Social Studies/History
- English Language Arts
- Humanities
- Mathematics
- Psychology
- Science
- Technology
- Appropriate and competent use of relevant websites and digital software and equipment 8.1.8
- Recording student performances/projects using appropriate audio, video, and /or photographic means to facilitate classroom critique of student growth and progress 8.1.8
- Presentation and exploration of related career possibilities 9.2.8
- Working in teams to create group based learning activities and projects CRP1
- Application of skills learned in class to project based activities CRP2

XI. Differentiating Instruction for Students with Special Needs: Students with Disabilities, Students at Risk, English Language Learners, and Gifted & Talented Students

Differentiating instruction is a flexible process that includes the planning and design of instruction, how that instruction is delivered, and how student progress is measured. Teachers recognize that students can learn in multiple ways as they celebrate students' prior knowledge. By providing appropriately challenging learning, teachers can maximize success for all students.

Differentiating in this course includes but is not limited to:

Differentiation for Support (ELL, Special Education, Students at Risk)

- Peer mentoring on problems
- Differentiated teacher feedback on assignments
- Modelling out accounting problems on whiteboard
- Visual aids as we project problems on whiteboard
- Study guides
- Tiered assignments
- Scaffolding of materials and assignments
- Re-teaching and review
- Guided note taking
- Exemplars of varied performance levels
- Multi-media approach to accommodating various learning styles
- Use of visual and multi-sensory formats
- Use of assisted technology
- Use of prompts
- Modification of content and student products
- Testing accommodations
- Authentic assessments
- Pre-teaching of vocabulary and concepts
- Visual learning, including graphic organizers
- Use of cognates to increase comprehension
- Teacher modeling
- Pairing students with beginning English language skills with students who have more advanced English language skills
- Scaffolding
 - word walls
 - sentence frames
 - think-pair-share
 - cooperative learning groups
 - teacher think-alouds

Differentiation for Enrichment

- Supplemental reading material for independent study
- Flexible grouping
- Tiered assignments
- Topic selection by interest
- Enhanced expectations for independent study
- Elevated questioning techniques using Webb's Depth of Knowledge matrix
- Adjusting the pace of lessons
- Curriculum compacting
- Inquiry-based instruction
- Independent study
- Higher-order thinking skills
- Interest-based content
- Student-driven
- Real-world problems and scenarios

XII. Professional Development

The teacher will continue to improve expertise through participation in a variety of professional development opportunities.

XIII. Curriculum Map/Pacing Guide

Unit Topic	Time Allocated	Differentiating Instruction for Students with Disabilities, Students at Risk, English Language Learners, & Gifted & Talented Students	Standards	Assessments
<p>Introduction to Drawing and Design</p> <p>1. Rules and Regulations of the Art Room</p> <ul style="list-style-type: none"> ➤ Classroom Safety ➤ Homework/Materials <p>Elements of Art</p> <p>B. Form & Space- Projects:</p> <p>3D Name</p> <ul style="list-style-type: none"> ❖ Introduction to perspective ❖ Drawing block letters ❖ Creating an illusion of 3D space 	5 weeks	<p><i>For Support:</i></p> <p>Computer-Based Instruction:</p> <ul style="list-style-type: none"> ❖ Using Chrome books to follow drawing tutorials at student pace ❖ Resources: YouTube, Google Classroom, Ted-Ed. <p>Targeting Different Learning Styles:</p> <ul style="list-style-type: none"> ❖ Scaffolding: teacher and student demos, think-pair-share, visual aids ❖ Playing videos ❖ Giving spoken & written instruction <p>Group ELL & students with disabilities with higher-level student</p> <p><i>For Enhancement:</i></p> <p>Assign open-ended projects:</p> <ul style="list-style-type: none"> ❖ Focus on student-interest and choice on how to apply skills ❖ Work at own pace 	<p>New Jersey Student Learning Standards- Arts:</p> <ul style="list-style-type: none"> • 1.1.8.D.1 • 1.1.8.D.2 • 1.2.8.A.3 • 1.3.8.D.1 • 1.3.8.D.2 • 1.3.8.D.5 <p>21st Century Standards CRP:</p> <ul style="list-style-type: none"> • CRP1, CRP2, CRP4, CRP6, CRP8, CRP9 <p>Technology Standards 8.1:</p> <ul style="list-style-type: none"> • 8.1.8.D.2 <p>21st Century Standards 9.2:</p>	<p>Formative Assessment:</p> <ul style="list-style-type: none"> ❖ Oral participation in activities (classroom discussion). ❖ Teacher Observation of student progress. ❖ Classwork ❖ Self-Assessment Google Doc ❖ Exit Ticket <p>Summative Assessment:</p> <ul style="list-style-type: none"> ❖ 4C's Rubric to assess student created projects

		Challenge students creatively	9.2.8.C.1, 9.2.8.C.2, 9.2.8.C.3, 9.2.8.C.4	
C. Paper/Origami- Projects: Paper Relief Sculpture <ul style="list-style-type: none"> ❖ Introduction to origami techniques ❖ Paper folding techniques ❖ Creating 3D forms Paper Food <ul style="list-style-type: none"> ❖ Continuation of origami skills ❖ Replicating texture and shapes of real food ❖ Achieve balance 	5 weeks	<i>For Support:</i> Computer-Based Instruction: <ul style="list-style-type: none"> ❖ Using Chrome books to follow drawing tutorials at student pace ❖ Resources: YouTube, Google Classroom, Ted-Ed. Targeting Different Learning Styles: <ul style="list-style-type: none"> ❖ Scaffolding: teacher and student demos, think-pair-share, visual aids ❖ Playing videos ❖ Giving spoken & written instruction Group ELL & students with disabilities with higher-level student <i>For Enhancement:</i> Assign open-ended projects: <ul style="list-style-type: none"> ❖ Focus on student-interest and choice on how to apply skills ❖ Work at own pace Challenge students creatively	New Jersey Student Learning Standards- Arts: <ul style="list-style-type: none"> • 1.1.8.D.1 • 1.1.8.D.2 • 1.2.8.A.3 • 1.3.8.D.1 • 1.3.8.D.2 • 1.3.8.D.5 21st Century Standards CRP: <ul style="list-style-type: none"> • CRP1, CRP2, CRP4, CRP6, CRP8, CRP9 Technology Standards 8.1: <ul style="list-style-type: none"> • 8.1.8.D.2 21st Century Standards 9.2: 9.2.8.C.1, 9.2.8.C.2, 9.2.8.C.3, 9.2.8.C.4	Formative Assessment: <ul style="list-style-type: none"> ❖ Oral participation in activities (classroom discussion). ❖ Teacher Observation of student progress. ❖ Classwork ❖ Self-Assessment Google Doc Summative Assessment: <ul style="list-style-type: none"> ❖ 4C's Rubric to assess student created projects
D. Plaster- Projects: Zombie Hand	5 weeks	<i>For Support:</i> Computer-Based Instruction:	New Jersey Student Learning Standards- Arts:	Formative Assessment:

<ul style="list-style-type: none"> ❖ Understand how plaster molds are used in various career fields, such as medicine, entertainment, etc. ❖ Create zombie hand sculptures inspired by artist George Segal. <p>Face Masks</p> <ul style="list-style-type: none"> ❖ Create a personalized plaster mask with a theme. ❖ Communicate and collaborate with group members to plaster masks. 		<ul style="list-style-type: none"> ❖ Using Chrome books to follow drawing tutorials at student pace ❖ Resources: YouTube, Google Classroom, Ted-Ed. <p>Targeting Different Learning Styles:</p> <ul style="list-style-type: none"> ❖ Scaffolding: teacher and student demos, think-pair-share, visual aids ❖ Playing videos ❖ Giving spoken & written instruction <p>Group ELL & students with disabilities with higher-level student</p> <p><i>For Enhancement:</i></p> <p>Assign open-ended projects:</p> <ul style="list-style-type: none"> ❖ Focus on student-interest and choice on how to apply skills ❖ Work at own pace <p>Challenge students creatively</p>	<p>Learning Standards- Arts:</p> <ul style="list-style-type: none"> • 1.1.8.D.1 • 1.1.8.D.2 • 1.2.8.A.3 • 1.3.8.D.1 • 1.3.8.D.2 • 1.3.8.D.5 <p>21st Century Standards CRP:</p> <ul style="list-style-type: none"> • CRP1, CRP2, CRP4, CRP6, CRP8, CRP9 <p>Technology Standards 8.1:</p> <ul style="list-style-type: none"> • 8.1.8.D.2 <p>21st Century Standards 9.2:</p> <p>9.2.8.C.1, 9.2.8.C.2, 9.2.8.C.3, 9.2.8.C.4</p>	<ul style="list-style-type: none"> ❖ Oral participation in activities (classroom discussion). ❖ Teacher Observation of student progress. ❖ Classwork ❖ Self-Assessment Google Doc <p>Summative Assessment:</p> <ul style="list-style-type: none"> ❖ 4C’s Rubric to assess student created projects
<p>E. Clay- Project:</p> <p>Pinch Pots</p> <ul style="list-style-type: none"> ❖ Understand the basic clay building techniques. ❖ Recognize clay as a way to make 3D forms. ❖ Utilize the pinch method to create a “pinch pot monster”. 	<p>5 weeks</p>	<p><i>For Support:</i></p> <p>Computer-Based Instruction:</p> <ul style="list-style-type: none"> ❖ Using Chrome books to follow drawing tutorials at student pace ❖ Resources: YouTube, Google Classroom, Ted-Ed. 	<p>New Jersey Student Learning Standards- Arts:</p> <ul style="list-style-type: none"> • 1.1.8.D.1 • 1.1.8.D.2 • 1.2.8.A.3 	<ul style="list-style-type: none"> ❖ 4C’s Rubric to assess student created projects ❖ Peer Critique

<ul style="list-style-type: none"> ❖ Express personal interests and creativity through the decoration of the monsters. <p>Clay Dessert</p> <ul style="list-style-type: none"> ❖ Continue to understand the basic clay building techniques. ❖ Recognize clay as a way to make 3D forms. ❖ Understand the artist Wayne Thiebaud and his contributions to Pop Art. ❖ Create dessert out of clay inspired by the artist. 		<p>Targeting Different Learning Styles:</p> <ul style="list-style-type: none"> ❖ Scaffolding: teacher and student demos, think-pair-share, visual aids ❖ Playing videos ❖ Giving spoken & written instruction <p>Group ELL & students with disabilities with higher-level student</p> <p><i>For Enhancement:</i></p> <p>Assign open-ended projects:</p> <ul style="list-style-type: none"> ❖ Focus on student-interest and choice on how to apply skills ❖ Work at own pace ❖ Challenge students creatively 	<ul style="list-style-type: none"> • 1.3.8.D.1 • 1.3.8.D.2 • 1.3.8.D.5 <p>21st Century Standards CRP:</p> <ul style="list-style-type: none"> • CRP1, CRP2, CRP4, CRP6, CRP8, CRP9 <p>Technology Standards 8.1:</p> <ul style="list-style-type: none"> • 8.1.8.D.2 <p>21st Century Standards 9.2:</p> <p>9.2.8.C.1, 9.2.8.C.2, 9.2.8.C.3, 9.2.8.C.4</p>	
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