

**COURSE TITLE**

Grade 4 Digital Storytelling

**LENGTH**

Quarter Year  
Grade 4

**DEPARTMENT**

English  
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**SCHOOL**

Pierrepoint School

**DATE**

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## Grade 4 Digital Storytelling

### I. Introduction/Overview/Philosophy

This course will bring a student's imagination to life. Students will learn how to create short stop-motion movies, with a soundtrack to fit, using simple stop motion techniques, storyboards, cameras, and software. Working independently and collaboratively, students will use hands-on art and miscellaneous materials, 2D & 3D backgrounds, as well as themselves, to create visually unique and innovative characters, and scenes. Students will also be adding music to their creations, adding the element of timing, emotion, highlighting, intensity, mood, and tone, through sound.

Experience with and knowledge of the arts is a vital part of a complete education. Education in art, music and drama is an essential part of an academic curriculum for the achievement of growth. An understanding of these arts offers tools for student development. Furthermore, an introduction to the integrated arts cultivates a variety of the multiple intelligences.

For students, an education in an arts-infused course provides opportunities for:

- Creative and inventive decision-making
- A variety of ways of communicating ideas, thoughts, and feelings
- An enhanced sense of poise and self-esteem
- Confidence to undertake new and unusual tasks
- Increased ability to achieve success across the academic curriculum
- Teamwork that fosters leadership skills

### II. Objectives

#### **Course Outline:**

The following curriculum areas and instructional activities may be utilized during the course of study.

- A. The Filming Process for Stop Motion Animation
  - a. Pre-Production
    - i. Storyboarding
    - ii. Script Writing
  - b. Production
    - i. Filming
  - c. Post-Production
    - i. Importing footage
    - ii. Editing
    - iii. Special Effects
    - iv. Soundtrack
- B. Production techniques to be studied, critiqued and created:
  - i. Use of light
  - ii. Use of camera angles
  - iii. Types of camera shots
- C. Post-Production Techniques to be studied, critiqued and created:

- a. Effective use of:
  - i. Voice
  - ii. Music
  - iii. Sound
  - iv. Special effects

**Student Outcomes:**

After successfully completing this course, the student will be able to:

- Create a stop-motion animation of:
  - a. A novel/story/poem
  - b. A mathematical process
  - c. A scientific process
  - d. A historical event
  - e. An imaginary event
- Write critiques of:
  - a. Professional stop-motion
  - b. Class stop-motion
  - c. Personal involvement in group work

**NEW JERSEY STUDENT LEARNING STANDARDS  
ENGLISH LANGUAGE ARTS****Grade 4**

The standards define general, cross-disciplinary literacy expectations that must be met for students to be prepared to enter college and workforce training programs ready to succeed. The K–12 grade-specific standards define end-of-year expectations and a cumulative progression designed to enable students to meet college and career readiness expectations no later than the end of high school.

Students advancing through the grades are expected to meet each year’s grade-specific standards, retain or further develop skills and understandings mastered in preceding grades, and work steadily toward meeting the more general expectations described by the standards.

**Anchor Standards for Reading****Key Ideas and Details**

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.

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

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

**Craft and Structure**

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.

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.

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

### **Integration of Knowledge and Ideas**

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

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.

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.

NJSLSA.R10. Read and comprehend complex literary and informational texts independently and proficiently with scaffolding as needed.

## **Grade 4 Progress Indicators for Reading Literature**

### **Key Ideas and Details**

RL.4.1. Refer to details and examples in a text and make relevant connections when explaining what the text says explicitly and when drawing inferences from the text.

RL.4.2. Determine a theme of a story, drama, or poem from details in the text; summarize the text.

RL.4.3. Describe in depth a character, setting, or event in a story or drama, drawing on specific details in the text (e.g., a character's thoughts, words, or actions).

### **Craft and Structure**

RL.4.4. Determine the meaning of words and phrases as they are used in a text, including those that allude to significant characters found in literature.

RL.4.5. Explain major differences between poems, drama, and prose, and refer to the structural elements of poems (e.g., verse, rhythm, meter) and drama (e.g., casts of characters, settings, descriptions, dialogue, stage directions) when writing or speaking about a text.

RL.4.6. Compare and contrast the point of view from which different stories are narrated, including the difference between first- and third-person narrations.

### **Integration of Knowledge and Ideas**

RL.4.7. Make connections between specific descriptions and directions in a text and a visual or oral representation of the text.

RL.4.8. (Not applicable to literature)

RL.4.9. Compare, contrast and reflect on (e.g. practical knowledge, historical/cultural context, and background knowledge) information from two texts on the same topic in order to write or speak about the subject knowledgeably.

### **Range of Reading and Complexity of Text**

RL.4.10. By the end of the year, read and comprehend literature, including stories, dramas, and poems at grade level text-complexity or above, with scaffolding as needed.

## **Grade 4 Progress Indicators for Informational Text**

### **Key Ideas and Details**

RI.4.1. Refer to details and examples in a text and make relevant connections when explaining what the text says explicitly and when drawing inferences from the text.

RI.4.2. Determine the main idea of a text and explain how it is supported by key details; summarize the text.

RI.4.3. Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.

### **Craft and Structure**

RI.4.4. Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a *grade 4 topic or subject area*.

RI.4.5. Describe the overall structure (e.g., chronology, comparison, cause/effect, problem/solution) of events, ideas, concepts, or information in a text or part of a text.

RI.4.6. Compare and contrast a firsthand and secondhand account of the same event or topic; describe the differences in focus and the information provided.

### **Integration of Knowledge and Ideas**

RI.4.7. Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.

RI.4.8. Explain how an author uses reasons and evidence to support particular points in a text.

RI.4.9. Integrate and reflect on (e.g. practical knowledge, historical/cultural context, and background knowledge) information from two texts on the same topic in order to write or speak about the subject knowledgeably.

**Range of Reading and Level of Text Complexity**

RI.4.10. By the end of year, read and comprehend literary nonfiction at grade level text-complexity or above, with scaffolding as needed.

**Grade 4  
Progress Indicators for Reading Foundation Skills****Phonics and Word Recognition**

RF.4.3. Know and apply grade-level phonics and word analysis skills in decoding and encoding words.

- A. Use combined knowledge of all letter-sound correspondences, syllabication patterns, and morphology (e.g., roots and affixes) to read accurately unfamiliar multisyllabic words in context and out of context.

**Fluency**

RF.4.4. Read with sufficient accuracy and fluency to support comprehension.

- A. Read grade-level text with purpose and understanding.
- B. Read grade-level prose and poetry orally with accuracy, appropriate rate, and expression.
- C. Use context to confirm or self-correct word recognition and understanding, rereading as necessary.

**Anchor Standards for Writing****Text Types and Purposes**

NJSLSA.W1. Write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.

NJSLSA.W2. Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content.

NJSLSA.W3. Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences.

**Production and Distribution of Writing**

NJSLSA.W4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

NJSLSA.W5. Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.

NJSLSA.W6. Use technology, including the Internet, to produce and publish writing and to interact and collaborate with others.

**Research to Build and Present Knowledge**

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.

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.

NJSLSA.W9. Draw evidence from literary or informational texts to support analysis, reflection, and research.

### **Range of Writing**

NJSLSA.W10. Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of tasks, purposes, and audiences.

## **Grade 4**

### **Progress Indicators for Writing**

#### **Text Types and Purposes**

- W.4.1. Write opinion pieces on topics or texts, supporting a point of view with reasons and information.
- Introduce a topic or text clearly, state an opinion, and create an organizational structure in which related ideas are grouped to support the writer's purpose.
  - Provide reasons that are supported by facts from texts and/or other sources.
  - Link opinion and reasons using words and phrases (e.g., for instance, in order to, in addition).
  - Provide a conclusion related to the opinion presented.
- W.4.2. Write informative/explanatory texts to examine a topic and convey ideas and information clearly.
- Introduce a topic clearly and group related information in paragraphs and sections; include formatting (e.g., headings), illustrations, and multimedia when useful to aiding comprehension.
  - Develop the topic with facts, definitions, concrete details, text evidence, or other information and examples related to the topic.
  - Link ideas within paragraphs and sections of information using words and phrases (e.g., *another, for example, also, because*).
  - Use precise language and domain-specific vocabulary to inform about or explain the topic.
  - Provide a conclusion related to the information or explanation presented.
- W.4.3. Write narratives to develop real or imagined experiences or events using narrative technique, descriptive details, and clear event sequences.
- Orient the reader by establishing a situation and introducing a narrator and/or characters; organize an event sequence that unfolds naturally.
  - Use dialogue and description to develop experiences and events or show the responses of characters to situations.
  - Use a variety of transitional words and phrases to manage the sequence of events.
  - Use concrete words and phrases and sensory details to convey experiences and events precisely.
  - Provide a conclusion that follows from the narrated experiences or events.

#### **Production and Distribution of Writing**

W.4.4. Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1–3 above.)

W.4.5. With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, and editing.

W.4.6. With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single sitting.

### **Research to Build and Present Knowledge**

W.4.7. Conduct short research projects that build knowledge through investigation of different aspects of a topic.

W.4.8. Recall relevant information from experiences or gather relevant information from print and digital sources; take notes and categorize information, and provide a list of sources.

W.4.9. Draw evidence from literary or informational texts to support analysis, reflection, and research.

- A. Apply *grade 4 Reading standards* to literature (e.g., “Describe in depth a character, setting, or event in a story or drama, drawing on specific details in the text [e.g., a character’s thoughts, words, or actions].”).
- B. Apply *grade 4 Reading standards* to informational texts (e.g., “Explain how an author uses reasons and evidence to support particular points in a text”).

### **Range of Writing**

W.4.10. Write routinely over extended time frames (time for research, reflection, metacognition/self-correction and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.

## **Anchor Standards for Speaking and Listening**

### **Comprehension and Collaboration**

NJSLSA.SL1. Prepare for and participate effectively in a range of conversations and collaborations with diverse partners, building on others’ ideas and expressing their own clearly and persuasively.

NJSLSA.SL2. Integrate and evaluate information presented in diverse media and formats, including visually, quantitatively, and orally.

NJSLSA.SL3. Evaluate a speaker’s point of view, reasoning, and use of evidence and rhetoric.

### **Presentation of Knowledge and Ideas**

NJSLSA.SL4. Present information, findings, and supporting evidence such that listeners can follow the line of reasoning and the organization, development, and style are appropriate to task, purpose, and audience.

NJSLSA.SL5. Make strategic use of digital media and visual displays of data to express information and enhance understanding of presentations.



NJSLSA.SL6. Adapt speech to a variety of contexts and communicative tasks, demonstrating command of formal English when indicated or appropriate.

## Grade 4

### Progress Indicators for Speaking and Listening

#### Comprehension and Collaboration

SL.4.1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on *grade 4 topics and texts*, building on others' ideas and expressing their own clearly.

- A. Explicitly draw on previously read text or material and other information known about the topic to explore ideas under discussion.
- B. Follow agreed-upon rules for discussions and carry out assigned roles.
- C. Pose and respond to specific questions to clarify or follow up on information, and make comments that contribute to the discussion and link to the remarks of others.
- D. Review the key ideas expressed and explain their own ideas and understanding in light of the discussion.

SL.4.2. Paraphrase portions of a text read aloud or information presented in diverse media and formats (e.g. visually, quantitatively, and orally).

SL.4.3. Identify the reasons and evidence a speaker provides to support particular points.

#### Presentation of Knowledge and Ideas

SL.4.4. Report on a topic or text, tell a story, or recount an experience in an organized manner, using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.

SL.4.5. Add audio recordings and visual displays to presentations when appropriate to enhance the development of main ideas or themes.

SL.4.6. Differentiate between contexts that call for formal English (e.g., presenting ideas) and situations where informal discourse is appropriate (e.g., small-group discussion); use formal English when appropriate to task and situation.

### Anchor Standards for Language

#### Conventions of Standard English

NJSLSA.L1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.

NJSLSA.L2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

#### Knowledge of Language

NJSLSA.L3. Apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when reading or listening.

### **Vocabulary Acquisition and Use**

NJSLSA.L4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases by using context clues, analyzing meaningful word parts, and consulting general and specialized reference materials, as appropriate.

NJSLSA.L5. Demonstrate understanding of word relationships and nuances in word meanings.

NJSLSA.L6. Acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when encountering an unknown term important to comprehension or expression.

## **Grade 4**

### **Progress Indicators for Language**

#### **Conventions of Standard English**

L.4.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.

- A. Use relative pronouns (*who, whose, whom, which, that*) and relative adverbs (*where, when, why*).
- B. Form and use the progressive (e.g., *I was walking; I am walking; I will be walking*) verb tenses.
- C. Use modal auxiliaries (e.g., *can, may, must*) to convey various conditions.
- D. Order adjectives within sentences according to conventional patterns (e.g., *a small red bag* rather than *a red small bag*).
- E. Form and use prepositional phrases.
- F. Produce complete sentences, recognizing and correcting inappropriate fragments and run-ons.
- G. Correctly use frequently confused words (e.g., *to, too, two; there, their*).

L.4.2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

- A. Use correct capitalization.
- B. Use commas and quotation marks to mark direct speech and quotations from a text.
- C. Use a comma before a coordinating conjunction in a compound sentence.
- D. Spell grade-appropriate words correctly, consulting references as needed.

#### **Knowledge of Language**

L.4.3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.

- A. Choose words and phrases to convey ideas precisely.
- B. Choose punctuation for effect.
- C. Differentiate between contexts that call for formal English (e.g., presenting ideas) and situations where informal discourse is appropriate (e.g., small-group discussion).

**Vocabulary Acquisition and Use**

L.4.4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 4 reading and content, choosing flexibly from a range of strategies.

- A. Use context (e.g., definitions, examples, or restatements in text) as a clue to the meaning of a word or phrase.
- B. Use common, grade-appropriate Greek and Latin affixes and roots as clues to the meaning of a word (e.g., *telegraph*, *photograph*, *autograph*).
- C. Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation and determine or clarify the precise meaning of key words and phrases.

L.4.5. Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.

- A. Explain the meaning of simple similes and metaphors (e.g., *as pretty as a picture*) in context.
- B. Recognize and explain the meaning of common idioms, adages, and proverbs.
- C. Demonstrate understanding of words by relating them to their opposites (antonyms) and to words with similar but not identical meanings (synonyms).

L.4.6. Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal precise actions, emotions, or states of being (e.g., quizzed, whined, stammered) and that are basic to a particular topic (e.g., *wildlife*, *conservation*, and *endangered* when discussing animal preservation).

**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.

**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.

**Standard 1.3 - Performing**

All students will synthesize skills, media, methods, and technologies that are appropriate to creating, performing, and/or presenting works of art in dance, music, theatre, and visual art.

**Standard 1.4 – Aesthetic Responses & Critique Methodologies**

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.

**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.*

8.1.5.A.1 - Select and use the appropriate digital tools and resources to accomplish a variety of tasks including solving problems.

8.1.5.A.2 - Format a document using a word processing application to enhance text and include graphics, symbols and/ or pictures.

8.1.5.A.3 - Use a graphic organizer to organize information about problem or issue.

8.1.5.A.4 - Graph data using a spreadsheet, analyze and produce a report that explains the analysis of the data.

8.1.5.A.5 - Create and use a database to answer basic questions.

8.1.5.A.6 - Export data from a database into a spreadsheet; analyze and produce a report that explains the analysis of the data.

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

8.1.5.B.1 - Collaborative to produce a digital story about a significant local event or issue based on first-person interviews.

**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.*

8.1.5.C.1 - Engage in online discussions with learners of other cultures to investigate a worldwide issue from multiple perspectives and sources, evaluate findings and present possible solutions, using digital tools and online resources for all steps.

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

8.1.5.D.1 - Understand the need for and use of copyrights.

8.1.5.D.2 - Analyze the resource citations in online materials for proper use.

8.1.5.D.3 - Demonstrate an understanding of the need to practice cyber safety, cyber security, and cyber ethics when using technologies and social media.

8.1.5.D.4 - Understand digital citizenship and demonstrate an understanding of the personal consequences of inappropriate use of technology and social media.

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

8.1.5.E.1 - Use digital tools to research and evaluate the accuracy of, relevance to, and appropriateness of using print and non-print electronic information sources to complete a variety of tasks.

**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.*

8.1.5.F.1 - Apply digital tools to collect, organize, and analyze data that support a scientific finding.

### **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.*

8.2.5.A.1 - Compare and contrast how products made in nature differ from products that are human made in how they are produced and used.

8.2.5.A.2 - Investigate and present factors that influence the development and function of a product and a system.

8.2.5.A.3 - Investigate and present factors that influence the development and function of products and systems, e.g., resources, criteria and constraints.

8.2.5.A.4 - Compare and contrast how technologies have changed over time due to human needs and economic, political and/or cultural influences.

8.2.5.A.5 - Identify how improvement in the understanding of materials science impacts technologies.

**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.*

8.2.5.B.1 - Examine ethical considerations in the development and production of a product through its life cycle.

8.2.5.B.2 - Examine systems used for recycling and recommend simplification of the systems and share with product developers.

8.2.5.B.3 - Investigate ways that various technologies are being developed and used to reduce improper use of resources.

8.2.5.B.4 - Research technologies that have changed due to society's changing needs and wants.

8.2.5.B.5 - Explain the purpose of intellectual property law.

8.2.5.B.6 - Compare and discuss how technologies have influenced history in the past century.

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

8.2.5.C.1 - Collaborate with peers to illustrate components of a designed system.

8.2.5.C.2 - Explain how specifications and limitations can be used to direct a product's development.

8.2.5.C.3 - Research how design modifications have led to new products.

8.2.5.C.4 - Collaborate and brainstorm with peers to solve a problem evaluating all solutions to provide the best results with supporting sketches or models.

8.2.5.C.5 - Explain the functions of a system and subsystems.

8.2.5.C.6 - Examine a malfunctioning tool and identify the process to troubleshoot and present options to repair the tool.

8.2.5.C.7 - Work with peers to redesign an existing product for a different purpose.

**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.*

8.2.5.D.1 - Identify and collect information about a problem that can be solved by technology, generate ideas to solve the problem, and identify constraints and trade-offs to be considered.

8.2.5.D.2 - Evaluate and test alternative solutions to a problem using the constraints and trade-offs identified in the design process to evaluate potential solutions.

8.2.5.D.3 - Follow step by step directions to assemble a product or solve a problem.

8.2.5.D.4 - Explain why human-designed systems, products, and environments need to be constantly monitored, maintained, and improved.

8.2.5.D.5 - Describe how resources such as material, energy, information, time, tools, people and capital are used in products or systems.

8.2.5.D.6 - Explain the positive and negative effect of products and systems on humans, other species and the environment, and when the product or system should be used.

8.2.5.D.7 - Explain the impact that resources such as energy and materials used in a process to produce products or system have on the environment.

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

8.2.5.E.1 - Identify how computer programming impacts our everyday lives.

8.2.5.E.2 - Demonstrate an understanding of how a computer takes input of data, processes and stores the data through a series of commands, and outputs information.

8.2.5.E.3 - Using a simple, visual programming language, create a program using loops, events and procedures to generate specific output.



8.2.5.E.4 - Use appropriate terms in conversation (e.g., algorithm, program, debug, loop, events, procedures, memory, storage, processing, software, coding, procedure, and data).

### **21ST CENTURY LIFE AND CAREERS**

#### **STANDARD 9.2: CAREER AWARENESS, EXPLORATION, AND PREPARATION**

9.2.4.A.1 – Identify reasons why people work, different types of work, and how work can help a person achieve personal and professional goals.

9.2.4.A.2 – Identify various life roles and civic work-related activities in the school home, and community.

9.2.4.A.3 – Investigate both traditional and non-traditional careers and relate information to personal likes and dislikes.

9.2.4.A.4 – Explain why knowledge and skills acquired in the elementary grades lay the foundation for future academic and career success.

### **III. Proficiency Levels**

Grade 4 Digital Storytelling is designed for students in grade 4.

### **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/Group Participation
  - Writing Assignments
  - Oral Presentations
  - Individual Projects, Presentations and Reports
  - Group Projects, Presentations and Reports
  - Technology Projects
  - Journals

#### **Curriculum/Teacher Assessment**

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

### **V. Grouping**

Grade 4 Digital Storytelling is a heterogeneously grouped class that is open to all 4<sup>th</sup> grade students. There is no pre-requisite.

## VI. Articulation/Scope & Sequence/Time Frame

Grade 4 Digital Storytelling is a quarter class.

## VII. Resources

### *Texts/Supplemental Reading/References*

- References
  - Teachers may contact the English Language Arts department office and the school and local libraries for additional resources. Nearby colleges and other organizations may also be excellent resources.
- Technology
  - Use of technology will conform to the following New Jersey Student Learning Standards: (8.1.8.A.1) (8.1.8.A.2) (8.1.8.A.3) (8.1.8.A.4) (8.1.8.A.5) (8.1.8.B.1) (8.1.8.D.1) (8.1.8.D.2) (8.1.8.D.3) (8.1.8.E.1)
  - Students shall use computers to complete research and for word processing. Teachers shall use appropriate technology to enhance lessons. Students shall use computers for independent practice of developing skills and as part of the writing process.
  - Students shall use computers to digitally edit video footage.
  - Students shall use digital cameras for filming.

## VIII. Suggested Activities

- Create a stop-motion animation of:
  - a. A novel/story/poem
  - b. A mathematical process
  - c. A scientific process
  - d. A historical event
  - e. An imaginary event
- Write critiques of:
  - a. Professional stop-motion
  - b. Class stop-motion
  - c. Personal involvement in group work

## 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 21<sup>st</sup> 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 4, students will be able to:

- 9.2.4.A.1 – Identify reasons why people work, different types of work, and how work can help a person achieve personal and professional goals.
- 9.2.4.A.2 – Identify various life roles and civic and work-related activities in the school, home, and community.
- 9.2.4.A.3 – Investigate both traditional and nontraditional careers and relate information to personal likes and dislikes.
- 9.2.4.A.4 – Explain why knowledge and skills acquired in the elementary grades lay the foundation for future academic and career success.

## **X. Interdisciplinary Connections**

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

The nature of an English Language Course demands varied text types and genres. Students will be exposed to informational and literary texts that may encompass any of the following areas: art, history, music, science, mathematics, business, and/or technology. Throughout the year, students will use resources from these areas in their English Language Arts class(es). This course reinforces concepts taught in:

- Social Studies
- Humanities
- Mathematics
- 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><b>Introductory Unit</b></p> <ul style="list-style-type: none"> <li>● Intro to stop-motion</li> <li>● Intro to technology</li> <li>● Intro to critique</li> <li>● Materials in Unit               <ul style="list-style-type: none"> <li>- Smartboard</li> <li>- MacBooks</li> <li>- Google Slides</li> <li>- cameras</li> <li>- tripods</li> </ul> </li> <li>● Objective of Unit               <ul style="list-style-type: none"> <li>- Define and describe a stop motion animation.</li> </ul> </li> </ul>	1 Week	<p><i>For Support:</i></p> <ul style="list-style-type: none"> <li>● Use of prompts</li> <li>● Pre-teaching of vocabulary and concepts</li> </ul> <p><i>For Enhancement:</i></p> <ul style="list-style-type: none"> <li>● Supplemental reading material for independent study</li> <li>● Elevated questioning techniques using Webb's Depth of Knowledge matrix</li> </ul>	<p><i>NJSLS – ELA:</i></p> <ul style="list-style-type: none"> <li>● NJSLSA.RL.4.1, NJSLSA.RI.4.1, NJSLSA.RL.4.7, NJSLSA.W.4.6, NJSLSA.SL.4.1, NJSLSA.SL.4.2, NJSLSA.SL.4.4, NJSLSA.SL.4.5, NJSLSA.L.4.1, NJSLSA.L.4.2, NJSLSA.L.4.3</li> </ul> <p><i>NJSLS – Arts:</i></p> <ul style="list-style-type: none"> <li>● Standard 1.1, Standard 1.3, Standard 1.4</li> </ul> <p><i>21<sup>st</sup> Century Standards CRP:</i></p> <ul style="list-style-type: none"> <li>● CRP1, CRP2, CRP4, CRP5, CRP6, CRP8, CRP9, CRP11, CRP12</li> </ul>	<p><i>Formative Assessment:</i></p> <ul style="list-style-type: none"> <li>-teacher observation</li> <li>-journal responses</li> <li>-classwork assignments</li> <li>-questioning</li> <li>-exit tickets</li> </ul> <p><i>Summative Assessment:</i></p> <p>Students will complete a Google Form assessing their knowledge and understanding of the key components of stop motion animations.</p>

Unit Topic	Time Allocated	Differentiating Instruction for Students with Disabilities, Students at Risk, English Language Learners, & Gifted & Talented Students	Standards	Assessments
			<p><i>Technology Standards</i> 8.1:</p> <ul style="list-style-type: none"> <li>• 8.1.5.A.1, 8.1.5.A.2, 8.1.5.A.3, 8.1.5.D.4</li> </ul> <p><i>Technology Standards</i> 8.2:</p> <ul style="list-style-type: none"> <li>• 8.2.5.A.4, 8.2.5.B.4</li> </ul> <p><i>21<sup>st</sup> Century Standards</i> 9.2:</p> <ul style="list-style-type: none"> <li>• 9.2.4.A.2, 9.2.4.A.3, 9.2.4.A.4</li> </ul>	
<p><b>Stop Motion #1</b></p> <ul style="list-style-type: none"> <li>• Pre-Production</li> <li>• Production</li> <li>• Post-Production</li> <li>• Critique</li> <li>• Materials in Unit <ul style="list-style-type: none"> <li>- Smartboard</li> <li>- iMovie</li> <li>- Google Slides</li> <li>- cameras</li> <li>- tripods</li> <li>- art supplies</li> <li>- whiteboards</li> </ul> </li> <li>• Objective of Unit <ul style="list-style-type: none"> <li>- Students will create a 2D stop motion animation in groups.</li> </ul> </li> </ul>	4 Weeks	<p><i>For Support:</i></p> <ul style="list-style-type: none"> <li>• Re-teaching and review</li> <li>• Exemplars of varied performance levels</li> <li>• Scaffolding with cooperative learning groups</li> </ul> <p><i>For Enhancement:</i></p> <ul style="list-style-type: none"> <li>• Enhanced expectations for independent study</li> <li>• Elevated questioning techniques using Webb's Depth of Knowledge matrix</li> </ul>	<p><i>NJSLS – ELA:</i></p> <ul style="list-style-type: none"> <li>• NJSLSA.W.4.2, NJSLSA.W.4.3, NJSLSA.W.4.4, NJSLSA.W.4.6, NJSLSA.SL.4.1, NJSLSA.SL.4.5, NJSLSA.L.4.1, NJSLSA.L.4.2, NJSLSA.L.4.3</li> </ul> <p><i>NJSLS – Arts:</i></p> <ul style="list-style-type: none"> <li>• Standard 1.1, Standard 1.3, Standard 1.4</li> </ul>	<p><i>Formative Assessment:</i></p> <ul style="list-style-type: none"> <li>-storyboards</li> <li>-scripts</li> <li>-classwork assignments</li> <li>-journal responses</li> <li>-teacher observation</li> <li>-questioning</li> <li>-exit tickets</li> </ul> <p><i>Summative Assessment:</i></p> <p>Students will publish one 2D stop motion animation</p>

Unit Topic	Time Allocated	Differentiating Instruction for Students with Disabilities, Students at Risk, English Language Learners, & Gifted & Talented Students	Standards	Assessments
		<ul style="list-style-type: none"> <li>• Real-world problems and scenarios</li> </ul>	<p><i>21<sup>st</sup> Century Standards CRP:</i></p> <ul style="list-style-type: none"> <li>• CRP1, CRP2, CRP4, CRP6, CRP8, CRP9, CRP11, CRP12</li> </ul> <p><i>Technology Standards 8.1:</i></p> <ul style="list-style-type: none"> <li>• 8.1.5.A.1, 8.1.5.A.3, 8.1.5.B.1, 8.1.5.D.1, 8.1.5.D.4</li> </ul> <p><i>Technology Standards 8.2:</i></p> <ul style="list-style-type: none"> <li>• 8.2.5.B.4, 8.2.5.C.1, 8.2.5.C.4</li> </ul> <p><i>21<sup>st</sup> Century Standards 9.2:</i></p> <ul style="list-style-type: none"> <li>• 9.2.4.A.2, 9.2.4.A.3, 9.2.4.A.4</li> </ul>	<p>in iMovie and share their final projects with the class.</p>
<p><b>Stop Motion #2</b></p> <ul style="list-style-type: none"> <li>• Pre-Production</li> <li>• Production</li> <li>• Post-Production</li> <li>• Critique</li> <li>• Materials in Unit <ul style="list-style-type: none"> <li>- Smartboard</li> <li>- iMovie</li> </ul> </li> </ul>	5 Weeks	<p><i>For Support:</i></p> <ul style="list-style-type: none"> <li>• Re-teaching and review</li> <li>• Exemplars of varied performance levels</li> <li>• Scaffolding with cooperative learning groups</li> </ul>	<p><i>NJSLS – ELA:</i></p> <ul style="list-style-type: none"> <li>• NJSLSA.W.4.2, NJSLSA.W.4.3, NJSLSA.W.4.4, NJSLSA.W.4.6, NJSLSA.SL.4.1, NJSLSA.SL.4.5,</li> </ul>	<p><i>Formative Assessment:</i></p> <ul style="list-style-type: none"> <li>-storyboards</li> <li>-scripts</li> <li>-classwork assignments</li> <li>-journal responses</li> <li>-teacher observation</li> </ul>



Unit Topic	Time Allocated	Differentiating Instruction for Students with Disabilities, Students at Risk, English Language Learners, & Gifted & Talented Students	Standards	Assessments
<ul style="list-style-type: none"> <li>- Google Slides</li> <li>- cameras</li> <li>- tripods</li> <li>- art supplies</li> <li>- modeling clay</li> <li>- shoeboxes</li> <li>- materials from home (i.e. Legos)</li> <li>● Objective of Unit               <ul style="list-style-type: none"> <li>- Students will create a 3D stop motion animation in groups.</li> </ul> </li> </ul>		<p><i>For Enhancement:</i></p> <ul style="list-style-type: none"> <li>● Enhanced expectations for independent study</li> <li>● Elevated questioning techniques using Webb's Depth of Knowledge matrix</li> <li>● Real-world problems and scenarios</li> </ul>	<p>NJSLSA.L.4.1, NJSLSA.L.4.2, NJSLSA.L.4.3</p> <p><i>NJSLS – Arts:</i></p> <ul style="list-style-type: none"> <li>● Standard 1.1, Standard 1.3, Standard 1.4</li> </ul> <p><i>21<sup>st</sup> Century Standards CRP:</i></p> <ul style="list-style-type: none"> <li>● CRP1, CRP2, CRP4, CRP6, CRP8, CRP9, CRP11, CRP12</li> </ul> <p><i>Technology Standards 8.1:</i></p> <ul style="list-style-type: none"> <li>● 8.1.5.A.1, 8.1.5.A.3, 8.1.5.B.1, 8.1.5.D.1, 8.1.5.D.4</li> </ul> <p><i>Technology Standards 8.2:</i></p> <ul style="list-style-type: none"> <li>● 8.2.5.B.4, 8.2.5.C.1, 8.2.5.C.4</li> </ul> <p><i>21<sup>st</sup> Century Standards 9.2:</i></p> <ul style="list-style-type: none"> <li>● 9.2.4.A.2, 9.2.4.A.3,</li> </ul>	<p>-questioning -exit tickets</p> <p><i>Summative Assessment:</i></p> <p>Students will publish one 3D stop motion animation in iMovie and share their final projects with the class.</p>

<b>Unit Topic</b>	<b>Time Allocated</b>	<b>Differentiating Instruction for Students with Disabilities, Students at Risk, English Language Learners, &amp; Gifted &amp; Talented Students</b>	<b>Standards</b>	<b>Assessments</b>
			9.2.4.A.4	