

GRADE Kindergarten– Unit 3

Mission Statement

The primary goal of the Swedesboro-Woolwich School District is to prepare each student with the real life skills needed to compete in a highly competitive global economy. This will be achieved by providing a comprehensive curriculum, the integration of technology, and the professional services of a competent and dedicated faculty, administration, and support staff.

Guiding this mission will be Federal mandates, including No Child Left Behind, the New Jersey Core Curriculum Content Standards, and local initiatives addressing the individual needs of our students as determined by the Board of Education. The diverse resources of the school district, which includes a caring PTO and active adult community, contribute to a quality school system. They serve an integral role in supporting positive learning experiences that motivate, challenge and inspire children to learn.

Unit/Module Overview

During the Third Trimester, Kindergarten students will continue to practice and enhance the foundational skills essential to technology device usage. These skills include using a mouse, a keyboard, understanding how to and why we log in to programs, and how to navigate in virtual environments.

In addition, Kindergarten students will learn that brainstorming is an important component of the learning environment. Through the brainstorming process, the students will understand that collaboration with others leads to better ideas and new learning experiences. Throughout this Unit, students will also learn that respect for others is always an important component of collaboration. Even when there are disagreements, these disagreements can be maintained respectfully. The students will learn to discuss issues and concerns by listening to others, contributing their own ideas, and evaluating the points made by all contributors to the discussion.

Swedesboro-Woolwich School District's Technology Curriculum Guidance Document

Standards Covered in Current Unit/Module

Related Standards and Learning Goals

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| TECH.8.2.2.C.1 | Brainstorm ideas on how to solve a problem or build a product. |
| TECH.8.2.2.C.3 | Explain why we need to make new products. |
| TECH.8.2.2.D.5 | Identify how using a tool (such as a bucket or wagon) aids in reducing work. |
| TECH.8.2.2.E.1 | List and demonstrate the steps to an everyday task. |
| TECH.8.2.2.E.5 | Use appropriate terms in conversation (e.g., basic vocabulary words: input, output, the operating system, debug, and algorithm). |
| TECH.8.2.2.E.CS1 | Computational thinking and computer programming as tools used in design and engineering. |

- I can brainstorm ideas on how to solve a problem or build a product.
- I can identify and explain how using a tool helps reduce work.
- I can list and demonstrate the steps to an everyday task.
- I can understand that computational thinking and computer programming are tools used to design new products.
- I can use the correct words regarding technology in conversation.
- I can explain why we need to make new products.
- I can participate in learning activities with other students.
- I can understand what technology systems are and use them.
- I can use digital tools to help me learn and communicate.
- I can use my skills to navigate in virtual environments.

Unit/Module Weekly Learning Activities and Pacing Guide

| Topic & # Days | NJ Standards | Critical Knowledge & Skills | Possible Resources & Activities |
|---------------------------|--|--|---|
| Week 21 | <ul style="list-style-type: none"> TECH.8.2.2.C.1 TECH.8.2.2.C.3 TECH.8.2.2.D.5 TECH.8.2.2.E.1 TECH.8.2.2.E.5 TECH.8.2.2.E.CS1 | <p>PRIMARY:</p> <ul style="list-style-type: none"> I can define the word "brainstorm" and understand what it means. I can "brainstorm" ideas. <p>FOUNDATIONAL:</p> <ul style="list-style-type: none"> I can use my mouse and my keyboard to navigate on my computer. I can use digital tools to help me learn and communicate. I can work and play with others online appropriately. I can understand why we use computers and how to use them properly. | <p>PRIMARY:</p> <p>Today students will review and practice skills learned in previous weeks. In addition to review and practice, students will:</p> <ul style="list-style-type: none"> Today students will learn about the word "brainstorm" and understand that it means to have a "spontaneous group discussion to produce ideas and ways of solving problems". Students will discuss why brainstorming is important and how they could use the skill to solve problems. <p>FOUNDATIONAL SKILLS TO BE PRACTICED:</p> <ul style="list-style-type: none"> Log on to Windows Click and Drag Open a program by clicking on an icon Keyboarding Learning with Games Navigating a Website <p>These Foundational Skills will be practiced through various websites and activities chosen by the teacher.</p> |
| Week 22 | <ul style="list-style-type: none"> TECH.8.2.2.C.1 TECH.8.2.2.C.3 TECH.8.2.2.D.5 TECH.8.2.2.E.1 TECH.8.2.2.E.5 | <p>PRIMARY:</p> | <p>PRIMARY:</p> <p>Today students will review and practice skills learned in previous weeks. In addition to review and practice,</p> |

Swedesboro-Woolwich School District's Technology Curriculum Guidance Document

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| | <ul style="list-style-type: none"> TECH.8.2.2.E.CS1 | <ul style="list-style-type: none"> I can define the word "brainstorm" and understand what it means. I can "brainstorm" ideas. <p>FOUNDATIONAL:</p> <ul style="list-style-type: none"> I can use my mouse and my keyboard to navigate on my computer. I can use digital tools to help me learn and communicate. I can work and play with others online appropriately. I can understand why we use computers and how to use them properly. | <p>students will:</p> <ul style="list-style-type: none"> Today students will review what they learned about the word "brainstorm" last week. The students will be able to give the definition and explain what it means to have a "spontaneous group discussion to produce ideas and ways of solving problems". Next, the teacher will describe and model the proper procedures for brainstorming including, but not limited to the following: respectful listening, waiting for your turn to speak, giving polite responses, staying on topic while participating in the discussion. The students will be told that in the next class they will be given a problem to brainstorm possible solutions. <p>FOUNDATIONAL SKILLS TO BE PRACTICED:</p> <ul style="list-style-type: none"> Log on to Windows Click and Drag Open a program by clicking on an icon Keyboarding Learning with Games Navigating a Website <p>These Foundational Skills will be practiced through various websites and activities chosen by the teacher.</p> |
| Week 23 | <ul style="list-style-type: none"> TECH.8.2.2.C.1 TECH.8.2.2.C.3 TECH.8.2.2.D.5 TECH.8.2.2.E.1 TECH.8.2.2.E.5 TECH.8.2.2.E.CS1TECH.8.2.2.C.1 TECH.8.2.2.C.3 | <p>PRIMARY:</p> <ul style="list-style-type: none"> I can define the word "brainstorm" and understand what it means. | <p>PRIMARY:</p> <p>Today students will review and practice skills learned in previous weeks. In addition to review and practice, students will:</p> <ul style="list-style-type: none"> Today students will briefly review what they |

Swedesboro-Woolwich School District's Technology Curriculum Guidance Document

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| | <ul style="list-style-type: none"> TECH.8.2.2.D.5 TECH.8.2.2.E.1 TECH.8.2.2.E.5 TECH.8.2.2.E.CS1 | <ul style="list-style-type: none"> I can "brainstorm" ideas. <p>FOUNDATIONAL:</p> <ul style="list-style-type: none"> I can use my mouse and my keyboard to navigate on my computer. I can use digital tools to help me learn and communicate. I can work and play with others online appropriately. I can understand why we use computers and how to use them properly. | <p>learned about the word "brainstorm" in the previous weeks. The students will be able to give the definition and explain what it means to have a "spontaneous group discussion to produce ideas and ways of solving problems".</p> <ul style="list-style-type: none"> Next, the teacher will review and model the proper procedures for brainstorming including, but not limited to the following: respectful listening, waiting for your turn to speak, giving polite responses, staying on topic while participating in the discussion. The teacher will display a real life problem on the board and explain why it is a problem. The teacher will then direct the students to participate in a brainstorming session. The teacher will monitor the student discussion and act as the notetaker listing possible solutions to the problem. <p>FOUNDATIONAL SKILLS TO BE PRACTICED:</p> <ul style="list-style-type: none"> Log on to Windows Click and Drag Open a program by clicking on an icon Keyboarding Learning with Games Navigating a Website <p>These Foundational Skills will be practiced through various websites and activities chosen by the teacher.</p> |
| Week 24 | <ul style="list-style-type: none"> TECH.8.2.2.C.1 TECH.8.2.2.C.3 TECH.8.2.2.D.5 TECH.8.2.2.E.1 TECH.8.2.2.E.5 TECH.8.2.2.E.CS1 | <p>PRIMARY:</p> <ul style="list-style-type: none"> I can identify and explain how using a tool helps | <p>PRIMARY:</p> <p>Using the foundational skill of brainstorming, students will discuss how using tools helps reduce work for individuals and groups. The students will determine how to choose the correct tools for a task and how that</p> |

Swedesboro-Woolwich School District's Technology Curriculum Guidance Document

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| | | <p>reduce work.</p> <p>FOUNDATIONAL:</p> <ul style="list-style-type: none"> • I can use my mouse and my keyboard to navigate on my computer. • I can use digital tools to help me learn and communicate. • I can work and play with others online appropriately. • I can understand why we use computers and how to use them properly. | <p>particular tool will make the task easier.</p> <p>FOUNDATIONAL SKILLS TO BE PRACTICED:</p> <ul style="list-style-type: none"> • Log on to Windows • Click and Drag • Open a program by clicking on an icon • Keyboarding • Learning with Games • Navigating a Website <p>These Foundational Skills will be practiced through various websites and activities chosen by the teacher.</p> |
| Week 25 | <ul style="list-style-type: none"> • TECH.8.2.2.C.1 • TECH.8.2.2.C.3 • TECH.8.2.2.D.5 • TECH.8.2.2.E.1 • TECH.8.2.2.E.5 • TECH.8.2.2.E.CS1 | <p>PRIMARY:</p> <ul style="list-style-type: none"> • I can explain why we need to make new products. <p>FOUNDATIONAL:</p> <ul style="list-style-type: none"> • I can use my mouse and my keyboard to navigate on my computer. • I can use digital tools to help me learn and communicate. • I can work and play with others online appropriately. • I can understand why we use computers and how to use them properly. | <p>PRIMARY:</p> <p>After a review of the discussion from ask class: (Using the foundational skill of brainstorming, students will discuss how using tools helps reduce work for individuals and groups. The students will determine how to choose the correct tools for a task and how that particular tool will make the task easier.) the students will now continue the discussion to determine why we need to make new products (tools).</p> <p>Based on the discussion students will conclude that new products are necessary because as technology improves the need for products is amplified. In addition, through the brainstorming process, new ideas create better products for given tasks.</p> <p>FOUNDATIONAL SKILLS TO BE PRACTICED:</p> <ul style="list-style-type: none"> • Log on to Windows • Click and Drag • Open a program by clicking on an icon • Keyboarding • Learning with Games |

Swedesboro-Woolwich School District's Technology Curriculum Guidance Document

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| | | | <ul style="list-style-type: none"> ● Navigating a Website <p>These Foundational Skills will be practiced through various websites and activities chosen by the teacher.</p> |
| Week 26 | <ul style="list-style-type: none"> ● TECH.8.2.2.C.1 ● TECH.8.2.2.C.3 ● TECH.8.2.2.D.5 ● TECH.8.2.2.E.1 ● TECH.8.2.2.E.5 ● TECH.8.2.2.E.CS1 | <p>PRIMARY:</p> <ul style="list-style-type: none"> ● I can list and demonstrate the steps to an everyday task. <p>FOUNDATIONAL:</p> <ul style="list-style-type: none"> ● I can use my mouse and my keyboard to navigate on my computer. ● I can use digital tools to help me learn and communicate. ● I can work and play with others online appropriately. ● I can understand why we use computers and how to use them properly. | <p>PRIMARY:</p> <p>Today the teacher will explain how the steps given for a task must be exact and concise. In addition, each step must be given in a specific sequence in order for the task to be completed properly.</p> <p>Once students can understand how sequence and specific information is essential, the teacher will use role-play to help students list and demonstrate the steps to an everyday task.</p> <p>FOUNDATIONAL SKILLS TO BE PRACTICED:</p> <ul style="list-style-type: none"> ● Log on to Windows ● Click and Drag ● Open a program by clicking on an icon ● Keyboarding ● Learning with Games ● Navigating a Website <p>These Foundational Skills will be practiced through various websites and activities chosen by the teacher.</p> |
| Week 27 | <ul style="list-style-type: none"> ● TECH.8.2.2.C.1 ● TECH.8.2.2.C.3 ● TECH.8.2.2.D.5 ● TECH.8.2.2.E.1 ● TECH.8.2.2.E.5 ● TECH.8.2.2.E.CS1 | <p>PRIMARY:</p> <ul style="list-style-type: none"> ● I can list and demonstrate the steps to an everyday | <p>PRIMARY:</p> <p>Today the teacher will explain how the steps given for a task must be exact and concise. In addition, each step must be given in a specific sequence in order for the task</p> |

Swedesboro-Woolwich School District's Technology Curriculum Guidance Document

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| | | <p>task.</p> <p>FOUNDATIONAL:</p> <ul style="list-style-type: none"> • I can use my mouse and my keyboard to navigate on my computer. • I can use digital tools to help me learn and communicate. • I can work and play with others online appropriately. • I can understand why we use computers and how to use them properly. | <p>to be completed properly.</p> <p>Once students can understand how sequence and specific information is essential, the teacher will use role-play to help students list and demonstrate the steps to an everyday task.</p> <p>FOUNDATIONAL SKILLS TO BE PRACTICED:</p> <ul style="list-style-type: none"> • Log on to Windows • Click and Drag • Open a program by clicking on an icon • Keyboarding • Learning with Games • Navigating a Website <p>These Foundational Skills will be practiced through various websites and activities chosen by the teacher.</p> |
| Week 28 | <ul style="list-style-type: none"> • TECH.8.2.2.C.1 • TECH.8.2.2.C.3 • TECH.8.2.2.D.5 • TECH.8.2.2.E.1 • TECH.8.2.2.E.5 • TECH.8.2.2.E.CS1 | <p>PRIMARY:</p> <ul style="list-style-type: none"> • I can understand that computational thinking and computer programming are tools used to design new products. <p>FOUNDATIONAL:</p> <ul style="list-style-type: none"> • I can use my mouse and my keyboard to navigate on my computer. • I can use digital tools to help me learn and communicate. • I can work and play with others online appropriately. • I can understand why we use computers and how to use them properly. | <p>PRIMARY:</p> <p>Through discussion and brainstorming, the students will build upon the understandings achieved in the previous two classes to associate everyday tasks and compare them to computational thinking and computer programming.</p> <p>With the teacher's assistance, the students will create a compare and contrast diagram to show how the steps in a process relate to computational thinking.</p> <p>FOUNDATIONAL SKILLS TO BE PRACTICED:</p> <ul style="list-style-type: none"> • Log on to Windows • Click and Drag • Open a program by clicking on an icon • Keyboarding |

Swedesboro-Woolwich School District's Technology Curriculum Guidance Document

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| | | | <ul style="list-style-type: none"> • Learning with Games • Navigating a Website <p>These Foundational Skills will be practiced through various websites and activities chosen by the teacher.</p> |
| Week 29 | <ul style="list-style-type: none"> • TECH.8.2.2.C.1 • TECH.8.2.2.C.3 • TECH.8.2.2.D.5 • TECH.8.2.2.E.1 • TECH.8.2.2.E.5 • TECH.8.2.2.E.CS1 | <p>PRIMARY:</p> <ul style="list-style-type: none"> • I can use the correct words regarding technology in conversation. <p>FOUNDATIONAL:</p> <ul style="list-style-type: none"> • I can use my mouse and my keyboard to navigate on my computer. • I can use digital tools to help me learn and communicate. • I can work and play with others online appropriately. • I can understand why we use computers and how to use them properly. | <p>PRIMARY:</p> <p>Today students will work with a list of vocabulary words that have been used in class throughout the school year. The words will be reviewed, and students will be reminded that using the correct words in conversation is critical.</p> <p>FOUNDATIONAL SKILLS TO BE PRACTICED:</p> <ul style="list-style-type: none"> • Log on to Windows • Click and Drag • Open a program by clicking on an icon • Keyboarding • Learning with Games • Navigating a Website <p>These Foundational Skills will be practiced through various websites and activities chosen by the teacher.</p> |
| Week 30 | <ul style="list-style-type: none"> • TECH.8.2.2.C.1 • TECH.8.2.2.C.3 • TECH.8.2.2.D.5 • TECH.8.2.2.E.1 • TECH.8.2.2.E.5 • TECH.8.2.2.E.CS1 | <p>PRIMARY:</p> <ul style="list-style-type: none"> • I can use the correct words regarding technology in conversation. <p>FOUNDATIONAL:</p> <ul style="list-style-type: none"> • I can use my mouse and my keyboard to navigate on my computer. | <p>PRIMARY:</p> <p>Today students will work with a list of vocabulary words that have been used in class throughout the school year. The words will be reviewed, and students will be reminded that using the correct words in conversation is critical.</p> <p>FOUNDATIONAL SKILLS TO BE PRACTICED:</p> |

Swedesboro-Woolwich School District's Technology Curriculum Guidance Document

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| | | <ul style="list-style-type: none">● I can use digital tools to help me learn and communicate.● I can work and play with others online appropriately.● I can understand why we use computers and how to use them properly. | <ul style="list-style-type: none">● Log on to Windows● Click and Drag● Open a program by clicking on an icon● Keyboarding● Learning with Games● Navigating a Website <p>These Foundational Skills will be practiced through various websites and activities chosen by the teacher.</p> |
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[Link to Additional Components including Cross Curricular Connections, Accommodations, Assessments, Etc](#)

[ELA Enduring Understanding Statements](#)