Educational Technology and Online Learning K

Course Summary: In this course, students will explore the features of a draw and paint program as a tool to support emerging reading, writing, and mathematics skills. They will locate letters and numbers on the keyboard. A study skills unit will introduce them to listening and visualization skills that will support learning across the school day. Students will recognize safe and responsible use of technology resources so that they can become model digital citizens.

Course Outline

1. **Tux Paint**
   1. Beginning Consonant C
      - Academic: Identify and write an uppercase and a lowercase letter c and pronounce the correct consonant sound
      - Academic: Illustrate the difference between an uppercase and a lowercase letter c
      - Academic: Interpret pictures in order to identify words that begin with the letter c
      - Technology: Demonstrate how to use the Paint tool in Tux Paint to illustrate an uppercase and a lowercase letter c
      - Technology: Demonstrate how to use the Eraser tool in Tux Paint to edit mistakes
   2. Beginning Consonant D
      - Academic: Identify and write an uppercase and a lowercase letter d and pronounce the correct consonant sound
      - Academic: Interpret pictures in order to identify words that begin with the letter d
      - Technology: Demonstrate how to use the Paint tool in Tux Paint to illustrate an uppercase and a lowercase letter d
      - Technology: Demonstrate how to use the Eraser tool in Tux Paint to edit mistakes
      - Technology: Demonstrate how to use the Stamp tool in Tux Paint to illustrate words that begin with the letter d
   3. Beginning Consonant J
      - Academic: Identify and write an uppercase and a lowercase letter j and pronounce the correct consonant sound
      - Academic: Interpret pictures in order to identify words that begin with the letter j
      - Technology: Demonstrate how to use the Paint tool and Rainbow effect button in Tux Paint to illustrate an uppercase and a lowercase letter j
      - Technology: Demonstrate how to use the Eraser tool in Tux Paint to edit mistakes
      - Technology: Apply a background image to a Tux Paint project
   4. Beginning Consonant K

- Academic: Identify and write an uppercase and a lowercase letter k and pronounce the correct consonant sound
- Academic: Illustrate the difference between an uppercase and a lowercase letter k
- Academic: Interpret pictures in order to identify words that begin with the letter k
- Technology: Demonstrate how to use features of the Paint tool in Tux Paint to illustrate an uppercase and a lowercase letter k using different sizes, strokes, and colors
- Technology: Demonstrate how to use the Eraser tool in Tux Paint to edit mistakes

5. Beginning Consonant L
- Academic: Identify and write an uppercase and a lowercase letter l and pronounce the correct consonant sound
- Academic: Interpret pictures in order to identify words that begin with the letter l
- Technology: Demonstrate how to use the Paint tool in Tux Paint to illustrate an uppercase and a lowercase letter l using different sizes, strokes, and colors
- Technology: Demonstrate how to use the Eraser tool in Tux Paint to edit mistakes
- Technology: Demonstrate how to use the Stamp tool in Tux Paint to locate and integrate sign language symbols into Tux Paint pictures

6. Beginning Consonant M
- Academic: Identify and write an uppercase and a lowercase letter m and pronounce the correct consonant sound
- Academic: Interpret pictures in order to identify words that begin with the letter m
- Technology: Demonstrate how to use the Paint tool in Tux Paint to illustrate an uppercase and a lowercase letter m using different sizes, strokes, and colors
- Technology: Demonstrate how to use the Eraser tool in Tux Paint to edit mistakes
- Technology: Demonstrate how to use the Calligraphy effect button in Tux Paint to illustrate key words beginning with the letter m

7. Beginning Consonant N
- Academic: Identify and write an uppercase and a lowercase letter n and pronounce the correct consonant sound
- Academic: Illustrate the difference between an uppercase and a lowercase letter n
- Academic: Interpret pictures in order to identify words that begin with the letter n
- Technology: Demonstrate how to use the Text tool and Shift key in Tux Paint to type key words in both uppercase and lowercase letters
- Technology: Demonstrate how to use the Undo button in Tux Paint to edit mistakes

8. Beginning Consonant Q
- Academic: Identify and write an uppercase and a lowercase letter q and pronounce the correct consonant sound

- Academic: Interpret pictures in order to identify words that begin with the letter q
- Technology: Demonstrate how to use the Paint tool in Tux Paint to illustrate an uppercase and a lowercase letter q
- Technology: Demonstrate how to use the Text tool and Shift key in Tux Paint to type key words in both uppercase and lowercase letters and format text in different colors
- Technology: Demonstrate how to use the Undo button in Tux Paint to edit mistakes

9. Beginning Consonant S
- Academic: Identify and write an uppercase and a lowercase letter s and pronounce the correct consonant sound
- Technology: Demonstrate how to use the Text tool and Shift key in Tux Paint to type key words in both uppercase and lowercase letters
- Technology: Demonstrate how to use the Letters selector to format text in different font styles
- Technology: Demonstrate how to use the Undo button in Tux Paint to edit mistakes
- Technology: Demonstrate how to use the Stamp tool in Tux Paint to illustrate words that begin with the letter s

10. Beginning Consonant T
- Academic: Identify and write an uppercase and a lowercase letter t and pronounce the correct consonant sound
- Technology: Demonstrate how to use the Text, Magic, and Paint tools to type and illustrate key words
- Technology: Demonstrate how to use the Text tool and format text in different colors, font styles, and sizes
- Technology: Demonstrate how to use the Undo button in Tux Paint to edit mistakes
- Technology: Demonstrate how to use the Stamp tool in Tux Paint to illustrate words that begin with the letter t

11. Frequent Words: all, are, at, but, and who
- Academic: Identify and pronounce high frequency words all, are, at, but, and who
- Academic: Define high frequency words all, are, at, but, and who
- Academic: Compose meaningful sentences using high frequency words all, are, at, but, and who
- Technology: Demonstrate how to use the Paint tool and Text tool in Tux Paint to write and type high frequency words all, are, at, but, and who
- Technology: Demonstrate how to use the Stamp tool in Tux Paint to illustrate the meaning of high frequency words all, are, at, but, and who

12. Frequent Words: did, do, eat, get, good, and have
- Academic: Identify and pronounce high frequency words did, do, eat, get, good, and have
- Academic: Define high frequency words did, do, eat, get, good, and have
- Academic: Compose meaningful sentences using high frequency words did, do, eat, get, good, and have
- Technology: Demonstrate how to use the Paint tool and Text tool in Tux Paint to write and type high frequency words did, do, eat, get, good, and have
- Technology: Demonstrate how to use the Stamp tool in Tux Paint to illustrate the meaning of high frequency words did, do, eat, get, good, and have

13. Frequent Words: he, like, new, no, on, and will

- Academic: Identify and pronounce high frequency words he, like, new, no, on, and will
- Academic: Define high frequency words he, like, new, no, on, and will
- Academic: Compose meaningful sentences using high frequency words he, like, new, no, on, and will
- Technology: Demonstrate how to use the Paint tool and Text tool in Tux Paint to write and type high frequency words he, like, new, no, on, and will
- Technology: Demonstrate how to use the Stamp tool in Tux Paint to illustrate the meaning of high frequency words he, like, new, no, on, and will

14. Recognizing Shapes
- Academic: Identify and name squares, circles, triangles, and rectangles
- Academic: Illustrate different shapes at various sizes
- Technology: Demonstrate how to use the Shapes tool and Color palette in Tux Paint in order to draw two-dimensional shapes in various colors
- Technology: Demonstrate how to use the Text tool in Tux Paint and label individual shapes

15. Naming Shapes
- Academic: Identify, name, and draw squares, circles, triangles, and rectangles
- Academic: Classify polygons based on number of sides
- Technology: Demonstrate how to use the Shapes tool and Color palette in Tux Paint and draw two-dimensional shapes in various colors
- Technology: Demonstrate how to use the Text tool and Color palette in Tux Paint and label polygons in various colors
- Technology: Demonstrate how to use the Stamp tool in Tux Paint to compile real-world pictures that represent polygons

2. **Keyboarding**
   1. Keyboarding A–M
      - Identify and type the letters A–M on the keyboard
   2. Keyboarding N–Z
      - Identify and type the letters N–Z on the keyboard
   3. Keyboarding Numbers and Letters
      - Identify and type the letters A–Z on the keyboard
      - Identify and type the numbers 0–9 on the keyboard

3. **Study Skills**
   1. Online Learning and a Proper Work Environment
      - Academic: Identify familiar environments and compare them to the online learning environment
      - Academic: Identify tips for successful online learning
      - Technology: Apply digital tools and resources to address a variety of tasks and problems
   2. Listening and Speaking
      - Academic: Discuss the importance of having good listening skills
      - Academic: Describe ways that effective speakers help listeners
      - Technology: Illustrate and communicate original ideas and stories using digital tools and resources
      - Technology: Demonstrate the ability to navigate virtual environments
   3. Visualization
      - Academic: Describe how pictures and other visuals enhance reading and writing
      - Academic: Explain how visuals help demonstrate understanding
      - Academic: Create a visual in Tux Paint to share information

- Technology: Demonstrate how to use simulations and graphic organizers to explore and depict patterns of growth, such as the life cycles of plants and animals

4. **Internet Safety**
    1. Cyber Community
        - Identify the concept of community and apply it to knowledge of the Internet
        - Identify and discuss vocabulary words related to the Internet
        - Relate and connect the physical community to the abstract concept of a cyber community
        - Complete a hands-on activity to reinforce vocabulary and concepts introduced
    2. Cyber Citizenship
        - Identify the qualities of being a good friend
        - Understand that a bully is mean to people on purpose
        - Understand that bullying can be online and offline
    3. Cyber Security
        - Examine the concept that computers can become infected with viruses
        - Explain why it is important to use caution and to seek help when opening e-mail
        - Discuss the concept of the computer virus
        - Engage in a discussion with the Learning Coach to learn about computer viruses
    4. Personal Safety
        - Develop an understanding of the term identity
        - Describe how an identity is formed online
        - Explain why a trusted adult can help create and keep a student's online identity safe

Questions? Call 800-382-6010