

Kindergarten Technology Lesson Strands and Topics

STRAND: Information and Communications Technology

Topic 1: Identify and use appropriate digital learning tools and resources to accomplish a defined task.	<ul style="list-style-type: none">● Osmo● Bloomz● ESGI● Book Creator app
Topic 3: Use digital learning tools and resources to construct knowledge	<ul style="list-style-type: none">● Osmo● ESGI● Book Creator app
Topic 4: Use digital learning tools and resources to communicate and disseminate information to multiple audiences.	<ul style="list-style-type: none">● Bloomz● ESGI● Book Creator app

STRAND: Society and Technology

Topic 2: Analyze the impact of communication and collaboration in both digital and physical environments.	<ul style="list-style-type: none">● Osmo● Bloomz● ESGI● Book Creator app
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Data Collection and Parent Communication with technology

(both programs can be accessed on a desktop computer or used through an app on a tablet)

Bloomz

Goal: Increase parent communication through announcements and personal messaging, as well as share photos and videos to increase parental involvement.

<https://www.bloomz.net/>

ESGI

Goal: Teachers are able to use and create individualized classroom assessments. Parent communication and resources are available to use as a reporting tool to demonstrate student growth. Resources such as graphs and flashcards are available to assist student learning.

<https://www.esgisoftware.com/>

Student Directed Technology

Book Creator App

Goal: Students are able to use multi-media to take their writing stories to create books for an audience. The books can be printed, shared electronically, or viewed on an iPad. It makes becoming an author, and learning the writing process, more engaging and meaningful.

Implementation:

1. Prior to beginning Book Creator, students will create writing samples during writer's workshop. During this time, students learn that authors write about what they know.
2. At the beginning of the year, teachers create the templates in which student work is displayed. Students are able to take pictures of their writing samples and record their voices reading aloud their story.
3. Towards the end of the Kindergarten year, students are able to independently take pictures, add text, and record audio to create their own books. Students work as partners throughout this process.

Example:

OSMO Systems

Goal: Students are able to use the OSMO system to independently work on beginning sounds, number recognition, addition, and spatial reasoning. The OSMO provides self-correction and instant feedback, which allow all students to learn independently. As skills are mastered, the level of complexity increases, differentiating instruction for each child.

Implementation:

1. Students use tiles or shapes to complete different tasks in the areas of reading or math.
2. Students are paired together to collaborate on each task. They take turns and offer support during the activity.