



# Early Math with Gracie & Friends:

Families Learning Spatial Thinking at Home

[first8studios.org](http://first8studios.org)

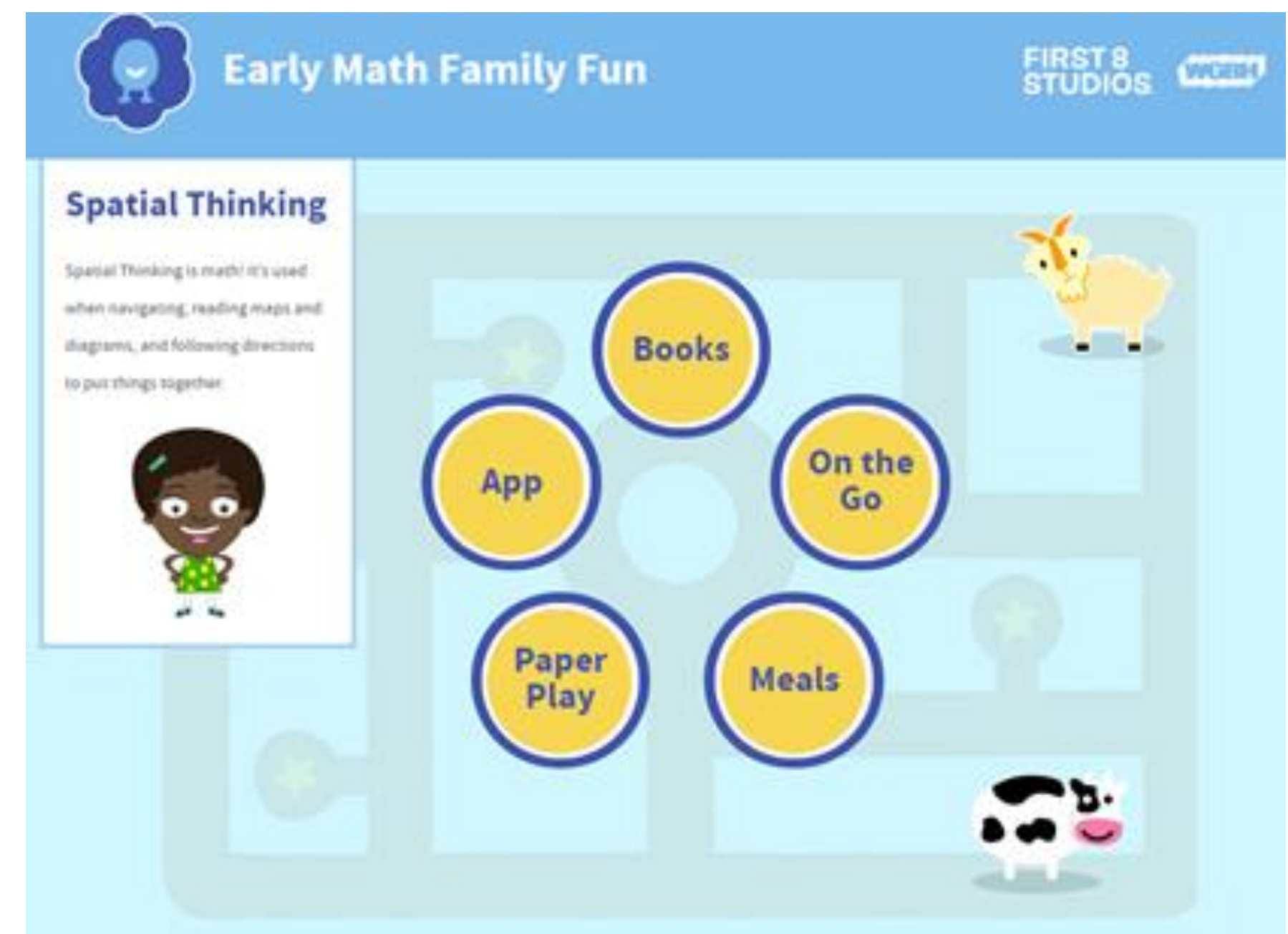


## Parents and preschoolers can play together!

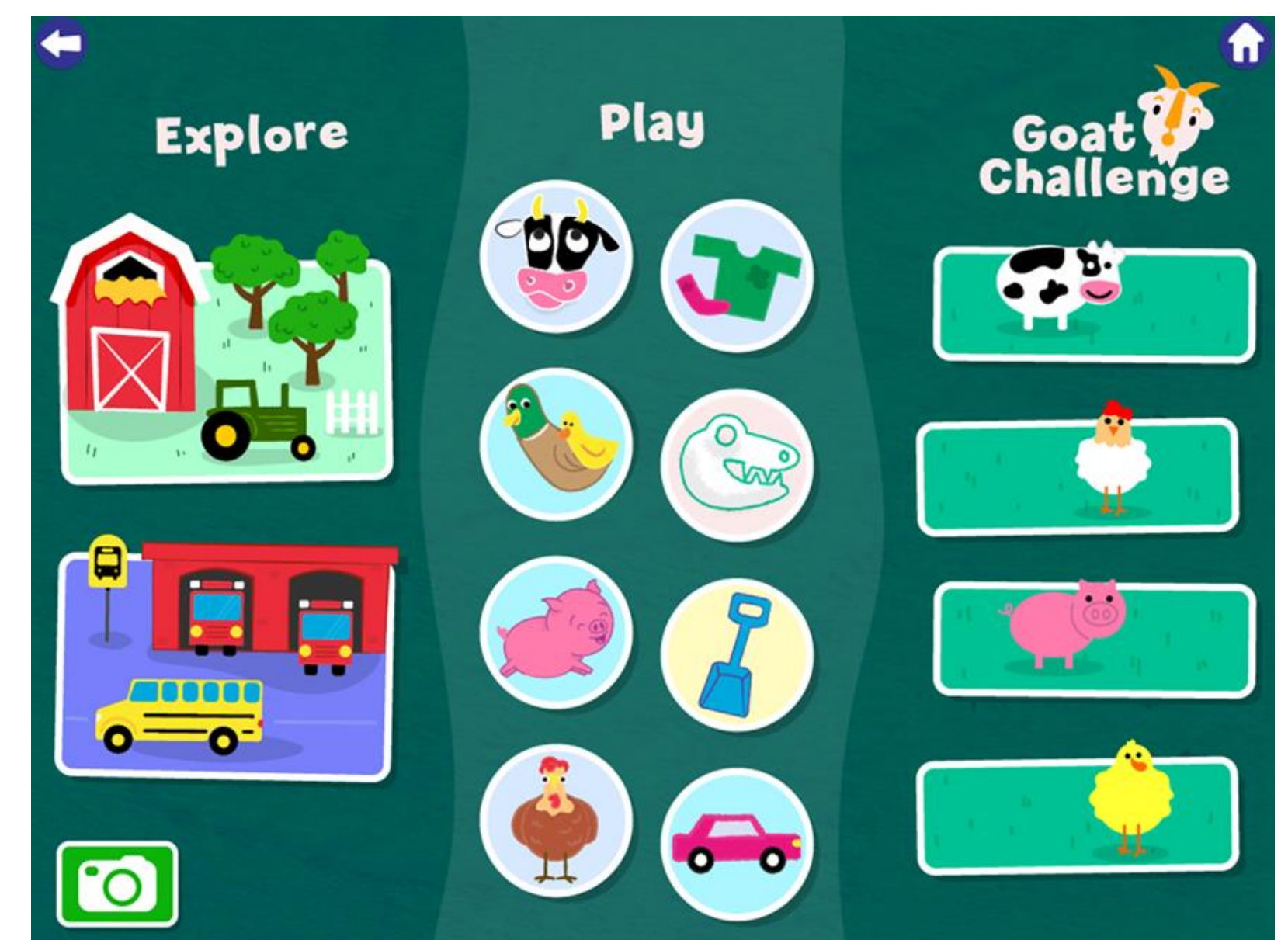
Navigate through maps of farms and cities to visit landmarks. Watch out for the goats! This app supports **spatial thinking and spatial navigation**.

Activities include:

- Digital App Activities and Games
- Books
- On the Go Activities
- Mealtime Activities
- Paper Play Activities



In the **Map Adventure app**, children play visit different landmarks in the farm and the city. At each landmark the child needs to **engage in a spatial activity to solve a problem**. They can also engage in a two-player game to collect animals without running into moving obstacles.



**Hands-on, engaging activities** provide parents and preschoolers the opportunity to engage in spatial thinking, use spatial thinking vocabulary, and talk about math together.

Vocabulary

LEFT, RIGHT



Vocabulary

LEFT, UNDER, RIGHT,  
NEXT TO, ABOVE



Vocabulary

MAP, PATH



## The goal is to learn:

- **Spatial Reasoning** (i.e. Finding an object or location in real space).
- **Spatial Navigation** (i.e. Describe, follow, and plan paths in real space)
- Use **Spatial Vocabulary**
- Use and create models and diagrams as children engage in spatial reasoning and navigation