



Get Ready to Teach Science!

Early Science with *Nico & Nor*® At-a-glance



Program Components

Early Science with *Nico & Nor* is a preschool science program that embeds math and engineering within three units of study about Plants, Ramps, and Shadows. Check out the overview documents for each unit to see more details about how this might look in your classroom.

PLANTS

RAMPS

SHADOWS

This program includes:

1. Classroom activities

that match common preschool formats and are inspired from children's everyday experiences

2. Home activities

that children and families can do together and support home-school connections, and

3. Digital apps

to support and strengthen children's learning in unique ways at school and at home



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Classroom Hands-on Activities

Whole Group Activities

Circle Time **introduction** activities are designed to introduce topics and motivate children to engage in subsequent investigations. They include read-aloud stories, group discussions, songs, app introductions and viewings of short video clips of other children doing related activities.

Circle Time **wrap-up** activities provide an opportunity for the class to reflect on questions and discoveries from the day. Children often share and discuss artifacts created as well as data collected throughout the day.

Guided Small Group Activities

In small groups of 3–5 children, the teacher guides children as they engage in hands-on investigations (observations or experiments) and record their data, at times using the digital journal tool.

Learning Centers/Free Choice

Learning Centers are designed to encourage children to explore materials independently (or with light guidance) and in an open-ended way.

Other: Snacks, Outdoor, and more!

The curriculum program also includes ideas for embedding science, math, and engineering into routines and activities throughout the day, such as when children have their daily snack or go outside.



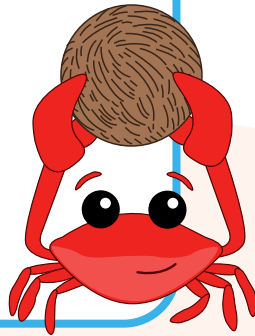


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Digital Apps

Digital Science Journals used in the classroom

Each unit includes a digital science journal with unique features to support children's observations, documentation, and reflection. Journals allow children to document data via photographs and video, create graphs to examine data over time, and easily access data to compare observations.



Digital games that can be used at home and school

Each unit also includes digital games designed to complement hands-on investigations and allow children opportunities for repeated practice. Some of the digital games include simulations that allow children to observe phenomena that are challenging to view within the classroom (e.g., roots growing under the ground) and easily test variables to observe cause and effect. The digital apps also provide children with real-time individual feedback and include menus for teachers to select levels that cover different topics or are of different difficulty.

Home-School Connection

Digital Family Guide

This guide is designed to invite and share ideas as families engage in science learning together. It also includes a set of hands-on activities that are designed for families to do at home, in the community, and on the go.

