Parent Resource Guide

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Welcome! We created the LeapStart™ interactive learning system to encourage creative, confident and happy learners. At LeapFrog®, we know how important it is for kids to develop the skills they need today to take on whatever they set their minds to tomorrow.

We developed the LeapStart™ library to cover a variety of preschool through first grade subjects and includes two Learn to Read book sets. The library features touch-and-talk games, creative challenges, problem-solving puzzles, math mazes and more for 2-7 year olds with more than 30 activities in every book. Most replayable activities have two levels with more than 50 key skills per level so kids can play and learn at the right level and move up when they’re ready. A total of 400+ activities help kids build tomorrow’s skills today.

This guide showcases the skills your child can begin to explore at each level. You’ll also find developmental insights and “beyond the book” activities that you and your child can do together. We hope you enjoy the activities that will help build the skills your child needs for tomorrow.
Preschool is an exciting time when friendships blossom, reasoning skills emerge, and language takes off! Children may be learning more than four new words each day, and they like to use them to express personal feelings, ask questions, make connections and share what they know. This stage, marked by surges in confidence, coordination, and creativity, is the perfect time for activities that involve drawing, dress-up, and dramatic play to help little ones explore their sense of self and the world around them.
Preschool is a time when a child’s understanding and use of oral language is exploding. Preschoolers are busy building independence, and they are often on the move!

Cognitive Development: Language Explosion
This is a time when children begin to understand and use an increasing number of words and phrases as they recount experiences, ask questions, and offer explanations. Keep asking your little learners questions. You’ll be amazed at what you hear.

Social-Emotional Development: Building Independence
While the phrase “I do it myself” may be very familiar at this stage, it’s also a time when children are learning to regulate emotions and delay gratification as they play alongside peers. Building independence is an important part of getting ready for preschool.

Physical Development: On the Move
Whether they are walking, running, jumping, or kicking balls, children have plenty of opportunities to increase balance and improve coordination. They are increasingly confident in their physical abilities and love to take on new challenges.

Let’s move and groove!
explore skills together

Preschoolers love to get busy exploring with their senses, bodies and minds. Share some time together enjoying these activities designed to reinforce and complement the skills LeapStart™ in books.

friendship bracelets

SKILLS: fine motor skills, social-emotional skills

Gather some ring-shaped breakfast cereal and tie one of the cereal pieces to a string. Have your child string more cereal pieces onto the string until it is long enough to make a bracelet for a loved one.

community book

SKILLS: community awareness, creativity

Take photos of places in your community such as the park, the fire station, an apartment building, or the library. Print and mount the photos in a book you can use to discuss places and people in your community.

shape scavenger hunt

SKILLS: shape recognition

Show your child a rectangle (or triangle, circle, etc.), describe its shape, and then go on a scavenger hunt to find other rectangles in the house (a cereal box, a table top, etc.). Do the same with other shapes.

toy swap

SKILLS: sharing, conservation, social-emotional skills

Gather up some toys and games that your child no longer uses and meet up with some other parents who have done the same. Have fun finding some “new” toys that may pique your child’s interest and introduce him to some new ideas and concepts.
LEVEL 1

50+ key skills for preschool

The World Of Baby Animals
Life Science & Memory Skills

ANIMALS & ENVIRONMENTS
• Explore different animal traits
• Understand how different animals have different movements
• Understand how animals grow and change
• Understand that animals need food, water and shelter
• Explore and describe different habitats
• Learn about the animals that live in different habitats
• Understand how some animals use tools

THINKING LIKE A SCIENTIST
• Use senses for observation
• Practice using science-related vocabulary
• Classify animals into groups

MEMORY SKILLS
• Recall object locations
• Recall traits of objects and their associations

Shapes & Colors with Creativity

PATTERNS & SHAPES
• Identify basic shapes such as circle, square and triangle
• Trace basic shapes with increasing fine motor precision
• Extend a basic pattern of shapes

MATCHING & SORTING
• Sort objects into groups by size
• Sort objects into groups by color
• Match identical objects
• Match objects by shape
• Match objects by color

COLORS & CREATIVE PLAY
• Create rhythms using various drum sounds
• Show interest in crafts and art tools
• Explore primary and secondary colors
• Know some color words
• Make music by combining notes of different pitches
• Initiate and maintain independent play
Alphabet Adventures with Music

ABCs
• Know the first letter of own name
• Know some lowercase letters
• Know some uppercase letters
• Distinguish letters from numbers and other shapes
• Match some uppercase and lowercase letters
• Begin to understand alphabetical order
• Know some letter sounds
• Identify some words with the same beginning sound
• Identify some words from blended sounds
• Identify some words with substituted sounds

READING BASICS
• Hold a book properly and turn pages
• Enjoy interacting with books
• Identify some words with the same beginning sound

MUSIC & SOUNDS
• Explore music with sounds and rhythm
• Enjoy alliteration and rhyming, and may chime in

Scout & Friends Math with Problem Solving

IDENTIFYING & TRACING NUMBERS
• Match identical numbers such as the number 3 to another number 3
• Match sets of 1 to 10 objects to numerals 1 to 10
• Hold a writing tool with a fist or finger grasp
• Trace numbers 0 to 9 with guidance

COUNTING & COMPARING SETS
• Match small quantities to the number words 1, 2 and 3
• Count along with help, although might make mistakes
• Understand that the last number word used represents the total
• Understand the mathematical term more by comparing sets of up to 10 objects
• Show interest in group activities or games

PROBLEM SOLVING
• Recognize a problem or need
• Identify one or more ways to address a problem or need
• Understand 1000+ words
Daily Routines with Health & Wellness

COMMUNITY & DAILY ROUTINES
• Understand daily routines and learn time-related vocabulary (first, next, last, before, and after)
• Identify neighborhood features such as trees, houses and playgrounds
• Show interest in familiar people such as siblings, relatives and friends
• Show interest in common jobs and professions such as firefighter or teacher
• Understand daily order and time words such as morning and night

SEASONS & ANIMALS
• Describe types of weather
• Describe the seasons
• Ask and answer questions about objects, events and animals
• Show interest in animals and the sounds they make

HEALTHY HABITS & COMMUNICATION
• Use words that express emotions
• Identify healthy eating and practice good nutrition
• Describe different methods of movement
• Demonstrate creativity and imaginative play
• Understand use of language to communicate with others
• Understand how to communicate politely and take turns
• Tell simple stories
Before kindergarten, children are bursting with energy as they develop social and cognitive skills and behaviors they will need for school. At this stage, children are building foundational reading and mathematics skills that contribute to future academic success. They are learning how to take turns, follow directions, and work with their peers. At the same time, their curiosity is soaring, and they are continually hungry for experiences that stimulate their interest in the world around them. This is a time when they are eager to discover new places, fuel emerging passions and dabble in new activities.
pre-kindergarten development

Before kindergarten, children begin to recognize letters and numbers and enjoy familiar songs and rhymes. They are learning to communicate and work with others as they explore activities that help build fine motor skills.

Cognitive Development: Numbers, Letters & Sounds
At this stage, children are beginning to recognize letters and numbers, counting and comparing sets of objects, and having fun with rhyme and alliteration. Familiar songs and nursery rhymes like Wheels on the Bus and Twinkle, Twinkle Little Star showcase the fun kids can have with words and sounds.

Social-Emotional Development: Responsibility & Cooperation
Children are learning to take responsibility for their personal belongings and routines. They are also fostering communication skills as they listen, share, take turns, and respect others. Your pre-kindergartner is getting used to skills that will be an important part of life.

Physical Development: Working with Their Hands
Children at this busy age are building fine motor skills as they work with blocks, complete puzzles, cut with scissors, and begin to hold crayons and pencils with a conventional grasp. Offer opportunities to try these activities safely at home.

It’s time for song and rhyme!
explore skills together

Helping your child prepare for kindergarten can include anything from practicing letters and numbers to encouraging them to explore the world around them with activities like these that build on skills in LeapStart™ books.

creative writing

**SKILLS: forming uppercase and lowercase letters, fine motor skills**

Practice writing letters with different tools. Use small sticks to draw letters in the sand or grab a bowl of water and a paint brush and “paint” letters on the sidewalk or on a wooden fence.

empty and full

**SKILLS: early math, fine motor skills, scientific reasoning**

Head outside with a collection of empty containers in various sizes and a bucket of water. Take the smallest container and have your child predict how many scoops of water it will take to fill the largest container. Help your child keep track of how many scoops are needed to fill the container. Try making similar predictions with containers of different sizes.

obstacle course

**SKILLS: physical development, creativity, social-emotional skills**

Head outside and gather up some materials such as balls, cones, ropes or cardboard boxes and set up an obstacle course with tasks that get kids hopping, running, and jumping. Make signs or cut paper into simple “tickets” and invite neighbors to join in the fun while your kids build motor and social skills at the same time.

sink or float?

**SKILLS: observation, scientific reasoning**

Get a bowl of water and some everyday items such as a sponge, a coin, or a rubber band. Have your child predict whether each item will sink or float, test the hypothesis, and explain that some items are lighter than water.
50+ key skills for pre-kindergarten

Moonlight Hero Math with PJ Masks
Math, Measurement & Critical Thinking

NUMBERS & COUNTING
- Count verbally from 1 to 20
- Compare numbers using words such as bigger and smaller
- Match sets of items to numbers
- Complete simple addition and subtraction equations

MEASUREMENT & SHAPES
- Make comparisons using measurement words
- Explore different measurement tools
- Explore properties of basic shapes
- Compare 2D and 3D shapes
- Explore the concept of symmetry

CRITICAL THINKING
- Follow and create simple patterns
- Use visual discrimination and logic skills to solve problems
- Develop memory skills to recall longer sequences

Around Town with PAW Patrol
Jobs, Places & Problem Solving

COMMUNITY, PEOPLE & PLACES
- Learn about the jobs of community professions
- Explore features of physical environments
- Learn about basic safety routines
- Compare and contrast the past and present

EXPLORING MAPS & SPATIAL SKILLS
- Use position words to locate objects
- Learn about the features of a map
- Learn to use cardinal directions
- Explore different types of maps and coordinates
- Use spatial skills to orient and navigate

PROBLEM SOLVING
- Use spatial reasoning skills to solve problems
- Make associations between tools and their functions
- Use spatial-perspective skills to solve logic puzzles

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11 Skills! From tracing letters to spotting sight words!

15 Skills! From circle time to days of the week!

50+ key skills for pre-kindergarten

Read & Write with Communication Skills

TRACING LETTERS Aa-Zz
- Hold and use crayons, markers, pens and pencils correctly
- Begin to form some uppercase letters
- Begin to form some lowercase letters
- Know many uppercase and lowercase letters and letter sounds

BLENDING SOUNDS INTO WORDS
- Know some decodable words in print
- Identify rhyming words
- Blend sounds into words

PRINT & COMMUNICATION
- Begin to understand how print moves from left to right and top to bottom
- Begin to understand how individual words are separated by spaces
- Identify some basic sight words
- Try to read signs and labels

First Day of School with Critical Thinking

SCHOOL & CLASSROOM ROUTINES
- Use words like please, thank you and excuse me
- Work cooperatively, share and take turns
- Listen to and begin to understand and respect others’ feelings
- Participate in clean-up activities and offer to help
- Follow safety rules
- Take responsibility for belongings and respect the property of others
- Use good hygiene habits, appropriate manners, and understand proper nutrition

CALENDAR SKILLS & MAKING OBSERVATIONS
- Understand passing time—before, after, today, yesterday, tomorrow
- Understand months of the year
- Understand and describe weather and seasons
- Explore early scientific properties

ADJUST TO NEW SITUATIONS OR TASKS
- Use different strategies to regulate and express emotions properly
- Use words to solve problems or conflicts and begin to solve multi-step problems
- Adjust to new situations and tasks
- Understand it is okay to make mistakes and ask for help as needed
**50+ key skills** for pre-kindergarten

**BUILDING NUMBER SENSE**
- Identify numbers 1 to 10
- Trace numerals 0 to 9
- Count up to twenty objects
- Understand that the final number represents the total (up to 10)
- Identify number words implying order such as first, second, third
- Name the number that comes next in a sequence (1, 2, 3, what comes next?)
- Begin to solve simple addition and subtraction problems using objects, a number line or fingers

**PATTERNS, COMPARING & SORTING**
- Arrange objects by size, using words like bigger, smaller, heavier
- Identify and extend simple patterns of objects, shapes or sounds
- Understand concepts such as in/out, under/over, on/off, front/back
- Match or group objects according to size, shape or color
- Match or group objects according to function
- Identify opposites

**CARING FOR SELF & OTHERS**
- Identify emotions through facial expressions
- Take care of others’ needs
- Stay with an activity to completion and show pride in accomplishments

**ASKING QUESTIONS & MAKING OBSERVATIONS**
- Ask questions and express curiosity
- Show interest and demonstrate curiosity of immediate environment (classroom, home, outside)
- Show interest in observed objects and events
- Identify objects in the sky such as the sun, moon, clouds and lightning
- Understand 2500+ words and some figures of speech
- Spend time with books independently
- Interpret simple graphs

**EXPLORE PROPERTIES OF OBJECTS & ANIMALS**
- Explore proper use of machines and tools to solve problems
- Experiment with new games and toys, sometimes with trial-and-error
- Notice the properties that various objects and materials have in common
- Notice how properties of various objects and materials differ
- Identify characteristics and behaviors of living and non-living things
- Know some facts about animals

**COOPERATIVE PROBLEM SOLVING**
- Show helping and caregiving behaviors
- Demonstrate cooperation to solve problems together
- Show interest in creating simple solutions to solve problems
Kindergarten marks the transition to the broader, more formal elementary school environment. In this year of exciting change, kindergartners get more familiar with school routines and rules, experience increased confidence and learn how to cooperate in larger group settings. Children may play, sing and create in ways that reflect common preschool environments, but these are balanced with new challenges within the more academic domains of literacy, mathematics, science and social studies.

ready for school!
kindergarten development

Kindergarteners are starting to see how letters and sounds make up words and how numbers can be put together and taken apart. At the same time they are learning how to take good care of themselves and work well with others.

Cognitive Development: Putting Things Together
Children this age are beginning to use their understanding of letters and sounds to decode basic words, use their number sense to solve basic addition problems, and recognize how living things adapt to their environment. You may soon have a reader in your house!

Social-Emotional Development: Understanding Self & Others
Children begin to understand that people have different feelings, ideas, and ways of communicating. They learn about manners as well as the importance of using words to express their emotions and resolve conflicts.

Physical Development: Healthy Habits & Independence
During this stage, children are learning about healthy habits such as staying hydrated and protecting skin from the sun. They gain independence as they learn to tie shoes, zip up a coat, or button a shirt. Learning to support one’s own health is a critical life skill.
explore skills together

The world is full of new experiences and opportunities to measure, explore, observe and imagine. Nurture your child’s soaring curiosity with these activities that complement the skills in LeapStart™ books.

ancestor celebration
SKILLS: cultural awareness, social-emotional skills

On a map show your child a country where family ancestors originated. Together, learn about some traditions in that country and create a poster that illustrates a custom or art form from one of your family’s countries of origin.

animal journal
SKILLS: observation, creativity, community awareness

Take photographs or make drawings of all the insects, birds, and other animals you see around your neighborhood. When you get home, label your photos or drawings with the names of each animal. Be sure to add to the journal each time you spot a new animal in your community.

neighborhood safety
SKILLS: health and safety, community awareness

With your child, learn about the people who keep your family safe in the community (police officer, firefighter, lifeguard, etc.). Create a collage of pictures and other items that represent community helpers and ways we can stay safe.

fun with food
SKILLS: nutrition, math, fine motor skills, teamwork, safety

Talk with your child about ways to stay safe in the kitchen such as always asking a grown-up for help and using the proper equipment. Together, create a meal with multiple food groups. Make cooking and preparing food fun by exploring shapes and measurement.
ANIMAL CLASSIFICATION
- Form conclusions based on comparisons, observations and exploration
- Distinguish between vertebrates and invertebrates
- Compare animals within the same class, such as mammals

ANIMAL CHARACTERISTICS
- Understand that all living things have basic needs
- Understand how animals change as they grow and mature
- Compare and describe the structural characteristics of animals
- Explore ways that animals communicate
- Compare diets of carnivores, herbivores and omnivores
- Explore ways that animals defend themselves
- Discover the diverse ways that animals move

CONSERVATION
- Understand the impact of humans on other animals and on the earth
- Explore ways to help coral reefs and their inhabitants thrive
Cook it Up! Math with Logic & Reasoning

NUMBERS, ADDITION & SUBTRACTION
- Identify numerals 0 through 100
- Name the next number in a sequence (such as 11, 12, 13, __)
- Solve addition problems with sums up to 10
- Solve addition problems with missing numbers such as 3 + __ = 5
- Solve subtraction problems within 10
- Use multiple strategies to solve addition problems with 1-digit numbers
- Understand values of 2-digit numbers as groups of tens and ones
- Write numbers 0 through 9
- Handle writing tools correctly

MEASUREMENT & SHAPES
- Become familiar with instruments to measure time, temperature, length and weight
- Use simple measurement words such as long, short, heavy and light
- Identify 3D shapes such as a cube, sphere and cylinder

LOGIC & REASONING
- Interpret a pictograph and simple bar graph
- Answer questions about data represented in a graph
- Determine locations on a map using a coordinate grid
- Use a series of clues to solve a problem

Kids’ World Atlas with Global Awareness

MAP SKILLS
- Understand use of maps, globes and other models to identify and locate places
- Use simple maps to locate places of personal significance
- Distinguish between types of environments and their inhabitants
- Use materials purposefully and respectfully
- Understand modes of transportation in travelling to various locations

THE CONTINENTS
- Identify the seven continents
- Identify common characteristics of the seven continents

WORLD CULTURES
- Understand that people have different ideas
- Understand that people have different ways of communicating
- Have a basic awareness of other cultures and cultural traditions
- Appreciate cultural differences, traditions and contributions
- Distinguish between asking and telling
- Work, play and share with others
50+ key skills for kindergarten

Reading Adventures with Health & Safety

READING NONFICTION TEXT
- Make predictions about a passage based on the title or pictures
- Read words with consonant digraphs
- Respond to text from a personal perspective, such as relating to characters
- Read words with consonant blends
- Distinguish different letter sounds in spoken words
- Read short vowel words
- Read long vowel words
- Sort common words into categories such as foods, colors and shapes
- Understand that stories have a beginning, middle and end

NONFICTION TEXT FEATURES
- Begin to use a table of contents to find information in a text
- Begin to use text features such as headings and diagrams to find information in a text
- Begin to use text features such as bold print to find information in a text
- Locate words in a picture dictionary or glossary

BASIC SAFETY SKILLS
- Identify proper tools and procedures to follow in case of emergency
In first grade, children build self-assurance as they take on new roles and responsibilities. First graders may feel like they’ve reached the “big time” with the transition from kindergarten into the broader school setting. Their vocabulary expands quickly, and they develop more independence as readers and writers. They are learning to add and subtract to solve problems, and they are excited by first-hand experiences that allow them to investigate and understand the world around them. First graders begin to interact with peers in more mature ways and learn to monitor their emotions, so it’s a wonderful time to celebrate both academic and personal growth!
First graders are beginning to understand more abstract ideas and appreciate others’ perspectives while they are starting to explore a broader range of physical activities.

Cognitive Development: **Growth in Conceptual Thinking**
Children are learning to solve more complex equations with a growing understanding of place value (ones, tens, hundreds, etc.). They are beginning to identify the main idea and supporting details of a story, and are able to classify items based on their functions or properties.

Social-Emotional Development: **Working with Others**
This is a time when children build confidence, flexibility, and empathy as they work, play and collaborate with peers. Teamwork helps children recognize others’ perspectives—watch your child play with peers and create unique solutions, ideas and innovations.

Physical Development: **Space & Movement**
At this stage, children are developing a greater sense of personal space, learning to move in rhythm and combine movements such as running and kicking. At this age, kids are beginning to fine tune their physical interests making it a great time to start activities like dance, martial arts, and team sports.
maker station
SKILLS: scientific reasoning, early engineering, teamwork
Set up a maker station with items your child can put together to make something—anything! Items could include nuts and bolts, tape, rubber bands, or wheels from a broken toy. Help your child describe the creation by asking questions: What did you design? How does it work? Is there anything you would do differently next time?

picture a story
SKILLS: creativity, fine motor skills, oral language development
Cut out some interesting pictures from magazines or catalogs that show people, animals, buildings, landscapes, and various objects. Have your child select three or four pictures and tell a story that incorporates those images. If you like, glue the pictures to paper and record your child’s story on the page.

dance party
SKILLS: rhythmic expression, creativity, dramatic play
Turn on the radio (or pick a favorite song) and create dance moves that your child and you can do together. Incorporate several motions, such as running, jumping jacks, or hand motions.

story time
SKILLS: teamwork, creativity, phonological awareness, storytelling
Make up a story with your child, one sentence at a time. Have your child start the story by coming up with his own creative sentence. Then it’s your turn to build off his ideas. See how silly your characters can be!

explore skills together
Encourage your child to make, create, and build on their imaginative ideas. Together, try these activities that complement the skills in LeapStart™ books, while fostering self-confidence and self-expression.
Learn To Read

**Beginning Phonics, Short Vowels, Long Vowels**

**PRINT AWARENESS**
- Understand that words are separated by spaces
- Understand that print moves from left to right and top to bottom

**COMPREHENSION**
- Understand the different events or actions that happen in a story
- Identify the main characters in a story
- Identify story elements such as characters, setting, and a sequence of events

**PHONICS & WORD RECOGNITION**
- Build awareness that words are made up of individual sounds
- Blend sounds into words
- Read words with regular consonant sounds
- Read Short A words
- Read Short E words
- Read Short U words
- Read Long Y and I words with final Silent E
- Read Long A words silent final Silent E
- Read Long O words with final Silent E
- Read Long U words with final Silent E
- Distinguish between long and short vowel sounds
- Read grade level sight words
- Identify words in common word families

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**Learn To Read**

**Advanced Phonics, Vowel Teams, Consonant Blends**

**VOWELS**
- Read words with short vowels
- Read long vowel words with final silent E
- Read words with long A vowel digraphs such as ai and ay
- Read words with long O vowel digraphs such as oa and ow
- Read words with long E vowel digraphs such as ee and ea
- Read words with r-controlled vowels such as ar and er
- Read words with diphthongs such as ow, ou and oi

**COMPREHENSION & SIGHT WORDS**
- Understand and interpret stories or short passages
- Make inferences and predictions while reading a story
- Read grade-level sight words

**CONSONANTS**
- Read words with initial R-blends such as br- and spr-
- Read words with initial L-blends such as pl- and bl-
- Read words with initial S-blends such as sm- and st-
- Read words with final consonant blends such as -nk and -mp
- Read words with the sh and th consonant digraphs
- Read words with the ch and wh consonant digraphs
25+ activity books
designed to inspire a lifetime love of learning

LEVEL 1
PRESCHOOL : ages 2-5

LEVEL 2
PRE-KINDERGARTEN : ages 3-6

LEVEL 3
KINDERGARTEN : ages 4-7

Learn to Read Series : ages 4-7

Volume 1

Volume 2

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