

Home Education Program for Seyed-Mortaza Elahi (1st grade)

1- The targeted subjects, the topics within each subject, the number of hours per week spent on each subject, and the resources to be used are listed in the following table.

Subject	Weekly Hours	Resources
English Language Arts (ELA) <ul style="list-style-type: none"> Phonemic awareness Phonics Fluency Vocabulary Text comprehension Writing (Letters, Numbers, Words, Sentences) 	5	Workbooks: <ul style="list-style-type: none"> Big First Grade (Pub: School Zone) Summer Brain Quest: Get Ready for 2nd Grade (Pub: Workman) Books for reading (just a few examples): <ul style="list-style-type: none"> Dr. Seuss's series, Color Monster series, Linus the little Yellow Pencil, ... YouTube videos: <ul style="list-style-type: none"> Word World Jack Hartmann Kids Music Channel Alphablocks Have Fun Teaching! Resource that can be found on the web (mostly Google search): <ul style="list-style-type: none"> Frequency Words for 1st Grade Word Families for 1st Grade ...
Social Studies <ul style="list-style-type: none"> History Geography Economics Civics 	1.5	<ul style="list-style-type: none"> Social Study Worksheets on "education.com" Some of the resources in English Language Arts (above) contain social study related contents
Mathematics <ul style="list-style-type: none"> Operations & Algebraic Thinking Number & Operations in Base Ten Measurement & Data Geometry 	6	Workbooks: <ul style="list-style-type: none"> Big First Grade (Pub: School Zone) Summer Brain Quest: Get Ready for 2nd Grade (Pub: Workman) YouTube videos: <ul style="list-style-type: none"> Numberblocks ... Finding creative ways to teach math through daily activities
Science <ul style="list-style-type: none"> Life Earth Space Physics Engineering 	7.5	Workbooks: <ul style="list-style-type: none"> Summer Brain Quest: Get Ready for 2nd Grade (Pub: Workman) Books for reading (just a few examples): <ul style="list-style-type: none"> First Big Book of Why (Pub: National Geographic, Kids) Inside Your Outside (Pub: Random House) ... YouTube videos: <ul style="list-style-type: none"> Peekaboo Kidz, It's AumSum Time, TED-ED, Rock 'N Learn, ...
Physical Education	3	Outdoor Physical Activities <ul style="list-style-type: none"> Playing soccer, Hiking, ... Indoor workout with YouTube videos: <ul style="list-style-type: none"> Workout Hotel (kids workout) Little Sports PE Bowman
Art <ul style="list-style-type: none"> Drawing Crafts Songs and Music 	5	Practicing each skill based on Mortaza's interests or ideas inspired by other resources like YouTube videos: <ul style="list-style-type: none"> SLICK SLIME SAM; HooplaKidz Doodle; First Grade Singalong
Second Language: Farsi	2	Private tutor
Total	30	

2- The following table shows, for each major subject, our emphasis during the first and second half of the academic year.

Subject	First Half (September-January)	Second Half (February-June)
English Language Arts	<ul style="list-style-type: none"> • Upper- and lowercase letters A-Z • Long and short vowel sounds • Fairy tales and poetry • Word families • Printing words • Phonics 	<ul style="list-style-type: none"> • Form drawing • Printing words • Independent reading • Writing out sentences • Consonant blends • Word games
Social Studies	<p>HISTORY</p> <ul style="list-style-type: none"> • Classic stories • Daily and monthly cycles • Yearly calendar <p>GEOGRAPHY</p> <ul style="list-style-type: none"> • Navigating with a compass • Mapmaking and reading maps • Using a globe 	<p>ECONOMICS</p> <ul style="list-style-type: none"> • Goods and services • Marketplace exchanges • Saving and spending <p>CIVICS</p> <ul style="list-style-type: none"> • Rules and playing fair • Family jobs • Respect • Diversity
Mathematics	<ul style="list-style-type: none"> • Four processes • Ordinal numbers • 2, 5, 10 times tables • Translating story problems into equations • Missing numbers • Mental Math • Counting/Sorting • Form drawing 	<ul style="list-style-type: none"> • Odd and even • Number bonds • Multistep problems • 3 times tables • Mental math • Relationships between math processes • Equations in vertical format • Cumulative property of addition
Science	<ul style="list-style-type: none"> • Phases of the moon • Constellations • Life cycle of the seed • Animal observations • Weather and cloud formations • Seasonal animal habits and behavior • Deciduous and coniferous trees 	<ul style="list-style-type: none"> • Diurnal and nocturnal animals • Forms of matter • Pond and forest life • Seed dispersal • Pollination and bees • Planting and charting plant growth • Scientific inquiry • Life cycle of a butterfly

3- The following shows the lesson plan for a typical day:

English Language Arts 1.5 hours

- Two pages of the workbook (Big First Grade)
 - Crossword rhymes
 - Opposite words

- Word families
 - Three-letter words ending in "...ad" (short a)
 - Four-letter words ending in "...ake" (long a)
- Learning to read and write a new Frequency Word: "have"

Snack Break

Social Studies: 0.5 hours

- Learning about National Parks on the US map

Mathematics: 1 hour

- Adding and subtracting single digit numbers (using the Big First Grade workbook)
- Watching a "Numberblocks" video on YouTube

Lunch Break

Science: 1 hour

- Reading 2 pages of "First Big Book of Why" about "Why Do Squirrels Bury Acorns".
- Watching and discussing a "Peekaboo Kidz" video about different types of clouds

Physical Education: 0.5 hours

- Working out with a "PE Bowman" YouTube video

Art: 0.5 hours

- Learning and practicing how to draw fish using a "HooplaKidz Doodle" video

4- Academic Background and Qualifications of the Instructor

My name is Seyed-Ehsan Elahi and I am Seyed-Mortaza's father. I work at the University of Massachusetts, Boston. Below are my education and academic backgrounds. For more details please see these links:

https://www.umb.edu/faculty_staff/bio/ehsan_elahi

http://works.bepress.com/ehsan_elahi/

Academic Positions

Director of the PhD Program in Information Systems for Data Science (2018-present)

Associate Professor of Management Science (2013- present)

Assistant Professor of Management Science (2007- 2013)

College of Management, University of Massachusetts, Boston

Education

Ph.D., Industrial and Systems Engineering, University of Minnesota, MN (2007)

M.B.A., Industrial Management Institute, Tehran, Iran (2000)

M.S., Mechanical Engineering, Sharif University of Technology, Tehran, Iran (1991)

5- Method of Assessment

I will use a combination of tests designed by myself and the tests available in online or published resources. For example, <https://www.corecommonstandards.com/> provides a complete set of assessment tests on English Language Arts and Mathematics. I will also try to choose the test questions and challenges in way that test results can be related to the expectations and standards set by the Massachusetts Department of Education for 1st grade as stated in:

<http://www.doe.mass.edu/frameworks/pguide/g1.pdf>

I intend to perform two assessments to gauge Seyed-Mortaza's progress in four major subjects of

- English Language Arts
- Mathematics
- Science
- Social Studies

One assessment in the second half of January and another one in the second half of June.

6- Improving the teaching plan and assessment method

This document presents a baseline for my plans to teach my son during this academic year. I will try to improve this plan based on my ongoing study of how to effectively teach 1st grade subjects, and **more importantly** based on the advice that I will try to seek from the 1st grade teachers of Braintree public schools.

7- Hours of Instruction

Please see the table on the first page.