## Integration of Early Literacy into Math and Science Activities

### Participant Handouts

<table>
<thead>
<tr>
<th>Level 3 Literacy Strategy</th>
<th>Learning Center</th>
<th>Activities</th>
<th>Vocabulary and possible questions</th>
<th>Materials</th>
<th>Frequency (Times per Week)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>Snack</td>
<td>Count napkins and distribute to each child</td>
<td>How do we figure out how many we will need? “match” “same amount”</td>
<td>Napkins</td>
<td>5 x</td>
</tr>
<tr>
<td>Science</td>
<td>Science table</td>
<td>Set up seed race – plant 3 seeds at the same time to see how fast each grows</td>
<td>Measurement words Why do you think…. Which do you predict…</td>
<td>3 types of seeds (bean, carrot, sunflower) Small containers Pencils Journal Camera</td>
<td>3 x Final document at end of week 3.</td>
</tr>
<tr>
<td>Technology</td>
<td>Small group time</td>
<td>Mon, Tues: Teach children letter sound without the app Wed, Thurs, Fri: use the iPad with letter sound app.</td>
<td>Words for using the tool: slide, scroll, turn on, click Distinguish between letter name and sound</td>
<td>iPad StarFall App</td>
<td>3 x</td>
</tr>
<tr>
<td>Family Engagement</td>
<td>Weekly literacy</td>
<td>Number hunt: find numerals 1 and 3 on</td>
<td>State the full number and</td>
<td>Cereal box</td>
<td>1 x</td>
</tr>
<tr>
<td>activity on bulletin board or note to parents</td>
<td>the cereal box 10 times (math). Feel the bark of a tree at the park and talk about it (science) Name that part (science)</td>
<td>item (130 calories) Descriptive words: rough, smooth, grey, inside, outside, trunk Name body parts and their function</td>
<td>Tree Our own body or doll</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**List of apps and online resources for early literacy**

**Trainer Guide**

**Phonological Awareness**

**Rhyming:**

*A*BA – *What Rhymes?* by Kindergarten.com

*Dora ABCs Vol 2: Rhyming Words* by Nickelodeon

*Rhyming Words* by GrasshopperApps.com
PCS Rhyming Flash Cards by DynaVox Mayer-Johnson Education

Alliteration

Sound Sorting by Lakeshore Learning Materials

ABC Magic 4 by Preschool University

ABC Magic 6 by Preschool University

Listening Skills

Things You Can Hear Lite by Captive Games

Peekaboo Barn Lite by Night & Day Studios, Inc.
Letter Knowledge

Starfall ABCs by Starfall Education, LLC

ABC Alphabet Phonics by Grasshopper Apps (Innovative Investments Limited)

ABC Magic by Preschool University

ABC Magic 2 by Preschool University

Letter School by Boreal b.v.

ABC Ninja by Innovative Mobile Apps

Vocabulary
**Toddler Flashcards** by iTot Apps, LLC

**Writing Support**

*Draw board* by @Huizhe

*Write My Name* by NCSoft

*Doodle Buddy* by Pinger, Inc.
Math

*Monkey Math School Sunshine* by THUP Games

*Line em Up* by Classroom Focused Software

*Bugs & Buttons* by Little Bit Studio, LLC

*Bugs & Buttons 2* by Little Bit Studio, LLC

*Bugs & Bubbles* by Little Bit Studio, LLC

Playing together-collaboration

*Super Home Hero* by Fred Rogers Center at Saint Vincent College
**Visual Discrimination**

*Highlights Hidden Pictures Countdown* by Highlights for Children

**Making Books**

*Book Creator*, Red Jumper Studio, [www.redjumper.net/bookcreator/](http://www.redjumper.net/bookcreator/)

**Reading in English and many other languages**


**For dual language learners**


YouTube, [www.youtube.com](http://www.youtube.com)
Smartyants, www.smartyants.com

Bilingual story apps, Ana Lomba, www.analomba.com