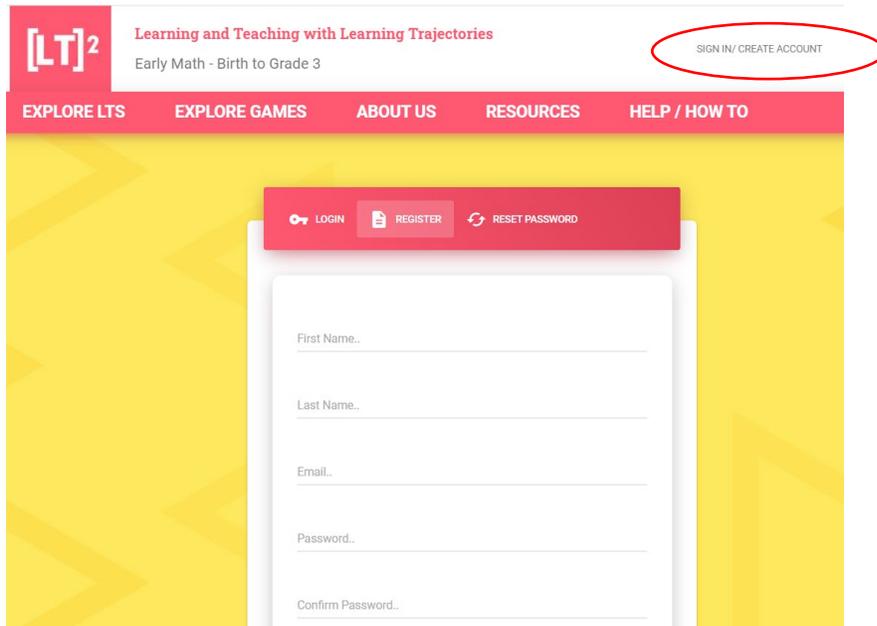


Learning and Teaching with Learning Trajectories (LT2) Web Application

User Instructions

Getting Started

1. Go to the Home Page at <https://www.learningtrajectories.org>
2. Select LT² Login tab and choose Register. Fill-in all fields.



The screenshot shows the registration page of the Learning and Teaching with Learning Trajectories (LT2) web application. The page has a yellow background with a pattern of white chevrons. At the top left, there is a red logo with the text "[LT]²". To the right of the logo, the text "Learning and Teaching with Learning Trajectories" is displayed in red, and "Early Math - Birth to Grade 3" is displayed in black. In the top right corner, there is a red button labeled "SIGN IN / CREATE ACCOUNT" which is circled in red. Below the header, there is a red navigation bar with the following links: "EXPLORE LTS", "EXPLORE GAMES", "ABOUT US", "RESOURCES", and "HELP / HOW TO". In the center of the page, there is a white registration form with a red header containing three buttons: "LOGIN", "REGISTER", and "RESET PASSWORD". The form contains five input fields: "First Name..", "Last Name..", "Email..", "Password..", and "Confirm Password..".

3. If you have students who want to explore Games, set up a first class.
 - a. Select "Class" then "Classes" from the drop down menu.
 - b. Click on "Add Class" to start a class.



Classes Content

ADD CLASS

RELOAD

Show 10 entries

Search:

| Class name | Created date | Action |
|---------------|---------------------|---|
| Test | 2020-03-02 15:48:58 | EDIT DELETE |
| Just Checking | 2020-01-30 00:15:40 | EDIT DELETE |
| The People | 2019-12-10 13:44:01 | EDIT DELETE |
| Class name | Created date | Action |

c. Fill-in class information and click “Save”.

The screenshot shows the 'Add Class' modal form overlaid on the 'Classes Content' table. The form has the following fields:

- Class Name:
- Grade/Age:
- Start Date:
- End Date:

At the bottom right of the modal are buttons for 'CANCEL' and 'SAVE'.

4. Once a class is added, you can begin adding individual students.
 - a. Select “Students” from the “Class” drop down menu.



5. Fill-in information for the student and assign a visual password.

Add Student

Class

The People

First Name

Last Name

Username

Parent Email

Password

| | | | | |
|---|---|---|---|---|
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Your student will now be able to login with the Student Login using their assigned visual password.



Games



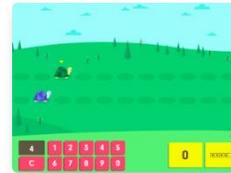
Help the Turtle Get Home: Counter (Small Numbers)



Help the Turtle Get Home: Counter (10)



Help the Turtle Get Home: Producer (Small Numbers)



Help the Turtle Get Home: Counter On Using Patterns



Subitize! Planets: Small Collection Namer



Subitize! Planets: Perceptual Subitizer to 4



Subitize! Planets: Perceptual Subitizer to 5



Subitize! Planets: Conceptual Subitizer to 5

Above are some of the Games available on our website.

Exploring the Learning Trajectories

1. The Learning Trajectories
 - a. You can start with any learning trajectory, but if you're stuck, Counting is a good place to start.
 - b. Within each trajectory are multiple levels (Number Word Sayer: Foundations, Chanter, Reciter, etc.). Read through the level descriptions and watch the videos to learn more.
2. The Alignment Tool
 - a. The Alignment Tool highlights typical levels for the age/grade that are chosen with the tool. It only shows highlighted levels if the level is expanded, as Counting is below. Some of your students may be at the level before or after the typical levels.
 - b. The Alignment Tool can also be used to look at alignment to Standard, such as Common Core State Standards. Once chosen, hover over the Standard or Assessment icon to read the Standard or click on the level name to read about the level and the aligned standard.

[LT]² Learning and Teaching with Learning Trajectories
Early Math - Birth to Grade 3

The People CLASS

EXPLORE LTS EXPLORE GAMES ABOUT US RESOURCES HELP / HOW TO

ALIGNMENT TOOL

Counting

LEARN ABOUT COUNTING

- Number Word Sayer: Foundations
- Chanter
- Reciter
- Reciter (10)
- Corresponder
- Counter (Small Numbers)
- Counter (10)
- Producer (Small Numbers)

Subitizing

Adding / Subtracting

Shapes

Disembedding Shapes

Measurement: Length

Measurement: Angle and Turn Measurement

Comparing Number

Multiplying / Dividing

Composing 3D Shapes

Spatial Visualization

Measurement: Area

3. Introducing a Concept

- Select the level that represents where most of your students fall.
- Use the activities at that level to help teach the concepts/skills to your students.
- Remember! An important part of all LT activities is to allow children to explain their thinking, try multiple strategies, and thereby experience why some strategies are more effective than others.

[LT]² Learning and Teaching with Learning Trajectories
Early Math - Birth to Grade 3

The People CLASS

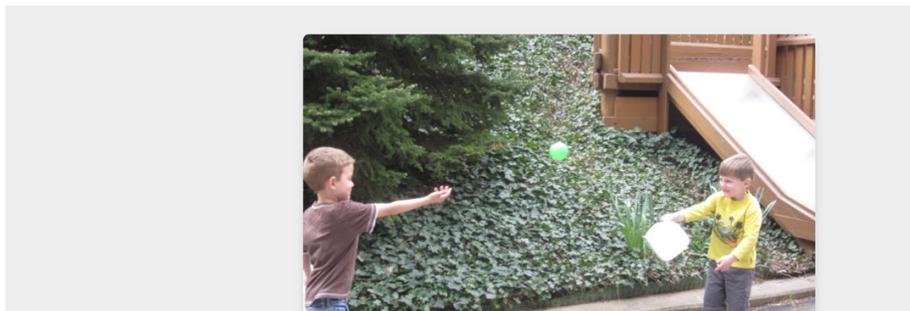
EXPLORE LTS EXPLORE GAMES ABOUT US RESOURCES HELP / HOW TO

Beanbag Counting

ACTIVITY TYPE: SMALL GROUP

Quick Description:

Children count the number of times they toss a beanbag. Adapted From: Everyday Mathematics



COMING SOON! Student Progress Reporting

1. Observe your students and record their progress at the trajectory level
2. Write any notes pertaining to student progress at each trajectory level
 - a. The teacher notes are for you only
 - b. Parent notes will be sent to the student's authorized email address(es)

Student Progress

[See progress in the Counting trajectory](#)

| | | | | | |
|-------|---|-------------------------------------|--|--|-------------------------|
| Elsie | Ready to Start <input type="radio"/> | Introduced <input type="radio"/> | Developing <input type="radio"/> | Proficient <input checked="" type="radio"/> | Notes ▲ |
| | Teacher Note | | Parent/Guardian Note Elsie is performing exceptionally well. She is able to count to 5 consistently. | | |

| | | | | | |
|------|---|--|-------------------------------------|-------------------------------------|-------------------------|
| Ryan | Ready to Start <input type="radio"/> | Introduced <input checked="" type="radio"/> | Developing <input type="radio"/> | Proficient <input type="radio"/> | Notes ▼ |
|------|---|--|-------------------------------------|-------------------------------------|-------------------------|

| | | | | | |
|----------|---|-------------------------------------|--|-------------------------------------|-------------------------|
| Chandler | Ready to Start <input type="radio"/> | Introduced <input type="radio"/> | Developing <input checked="" type="radio"/> | Proficient <input type="radio"/> | Notes ▼ |
|----------|---|-------------------------------------|--|-------------------------------------|-------------------------|

| | | | | | |
|------------|---|-------------------------------------|-------------------------------------|--|-------------------------|
| Sarah Jean | Ready to Start <input type="radio"/> | Introduced <input type="radio"/> | Developing <input type="radio"/> | Proficient <input checked="" type="radio"/> | Notes ▼ |
|------------|---|-------------------------------------|-------------------------------------|--|-------------------------|

| | | | | | |
|---------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------|
| Richard | Ready to Start <input checked="" type="radio"/> | Introduced <input type="radio"/> | Developing <input type="radio"/> | Proficient <input type="radio"/> | Notes ▼ |
|---------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------|

Save Progress

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3. You can keep track of your students' progress in each trajectory by viewing the Trajectory page.

LT²

2015-2016 PreK Class ▾

Roster Developmental Progression

👤

🔍 Number 🔄 Operations & Algebraic Thinking

Subitizing

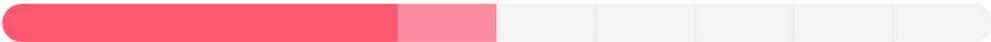
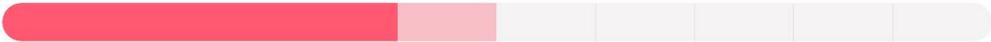
Choose a Level ▾

Children learn to recognize and name how many objects are in a small collection quickly, without counting ("subitize" comes from the Latin "to arrive suddenly").

Levels

- Pre-Explicit Number
- Small Collection Namer
- Maker of Small Collections
- Perceptual Subitizer to 4
- Perceptual Subitizer to 5
- Conceptual Subitizer to 5+
- Conceptual Subitizer to 10
- Conceptual Subitizer to 20
- Conceptual Subitizer with Place Value and Skip Counting
- Conceptual Subitizer with Place Value and Multiplication

Student Progress

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--|--|---|---|---|---|---|---|---|---|----|
| Chandler – Perceptual Subitizer to 4 |  | | | | | | | | | |
| Elsie – Perceptual Subitizer to 5 |  | | | | | | | | | |
| Richard – Perceptual Subitizer to 4 |  | | | | | | | | | |
| Ryan – Perceptual Subitizer to 5 |  | | | | | | | | | |
| Sarah Jean – Perceptual Subitizer to 5 |  | | | | | | | | | |

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FOR EARLY LEARNING & LITERACY

Demo Account

If you just want to explore the system, you can use the demo account:

- Main Teacher Platform: <https://www.learningtrajectories.org>
- Email: demo@learningtrajectories.org
- Password: Password!