

ObjectiveEd Goal Guides: Sound Localization

This guide is designed for O&Ms interested in utilizing ObjectiveEd to help students practice Sound Localization.

Step 1: If you are not already familiar with using ObjectiveEd please review the following two videos

[Getting Started with ObjectiveEd - VI Curriculum](#) (5 Minutes)

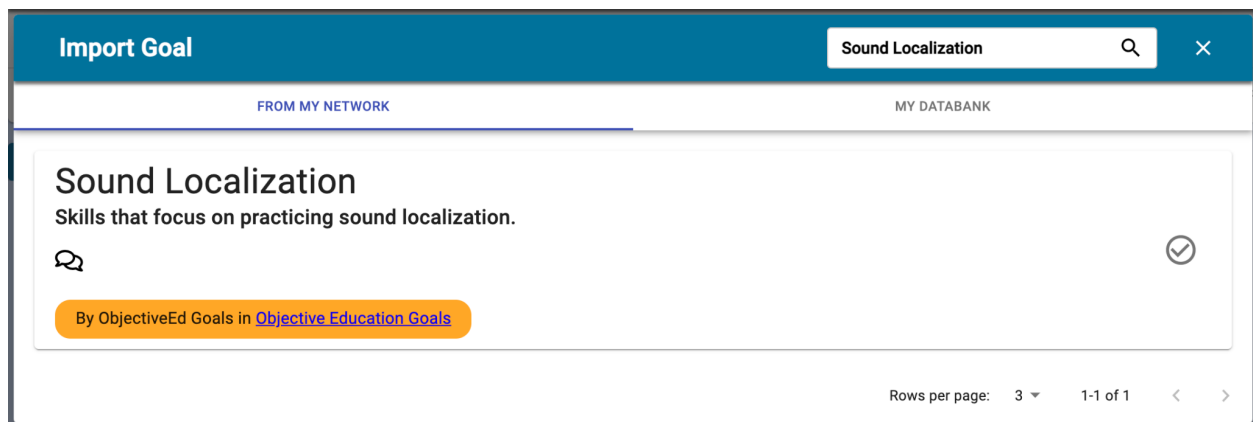
[Getting Started with ObjectiveEd - The Application](#) (7 Minutes)

Step 2: Import the following goal onto the student you are working with

Sound Localization

**You can search for it under the Import Goal section*

***Import the goal by selecting the check mark*



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Step 3: Understanding the skills students will be working on

The skills in this goal focus on helping students practice sound localization.

The skills in this goal are listed below,

Skills for Sound Localization						
Name	Description	Difficulty	Area	Target Percentage	Active?	
 Basic 2-Way Sound Localization using Audio Asteroid	Students will locate sounds that always appear on either their left or right using Audio Asteroid.	Easy	Sound Localization	75		   
 Intermediate 2-Way Sound Localization using Audio Asteroid	Students will locate sounds that always appear on either their left or right using Audio Asteroid.	Medium	Sound Localization	75		   
 Advanced 2-Way Sound Localization using Audio Asteroid	Students will locate sounds that always appear on either their left or right using Audio Asteroid.	Hard	Sound Localization	75		   
 Basic 4-Way Sound Localization using Audio Asteroid	Students will locate sounds that will always appear either 45 or 135 degrees to the left or right of where they are facing using Audio Asteroid.	Easy	Sound Localization	75		   
 Intermediate 4-Way Sound Localization using Audio Asteroid	Students will locate sounds that will always appear either 45 or 135 degrees to the left or right of where they are facing using Audio Asteroid.	Medium	Sound Localization	75		   
 Advanced 4-Way Sound Localization using Audio Asteroid	Students will locate sounds that will always appear either 45 or 135 degrees to the left or right of where they are facing using Audio Asteroid.	Hard	Sound Localization	75		   
 Basic 360 Degree Sound Localization	Students will locate sounds that will appear in any direction using Audio Asteroid.	Easy	Sound Localization	75		   
 Intermediate 360 Degree Sound Localization	Students will locate sounds that will appear in any direction using Audio Asteroid.	Medium	Sound Localization	75		   
 Advanced 360 Degree Sound Localization	Students will locate sounds that will appear in any direction using Audio Asteroid.	Hard	Sound Localization	75		   

Students will only work on the skills you mark as **Active**. In our system **Active is Red, Grey is Deactivated**

Skill Breakdown

The primary concepts covered are:

2-Way Sound Localization - Students will locate sounds to their immediate left and right

4-Way Sound Localization - Students will locate sounds to their forward left, forward right, back left, and back right

360 Degree Sound Localization - Students will locate sounds anywhere within 360 degrees of them.



Basic, Intermediate, and Advanced versions of these skills change the amount of time a student has to locate the sound.

How the skill is practiced: These skills require that students use headphones in order to have the best outcome. Students will hear a sound in their headphones, this sound will be positioned based on the skill they are assigned. They will need to physically turn their device towards the sound they are hearing, as they move the sound will adjust. When they are facing the sound, it will sound as if it is in front of them. They will tap on the screen to successfully locate the sound.

Step 4: Assigning a Starting Skill

After familiarizing yourself with the skills in the goal, choose a skill for your student to start with.

Our Recommendation: We generally advise that you start with one of the following skills,

Option 1: Basic 2-Way Sound Localization (For young students practicing left and right sound localization or 90 degree turns).

Option 2: Basic 4-Way Sound Localization (For older students, just getting started with the skills in this goal).

To assign a skill to your student, mark it as ACTIVE by clicking the slider to the right of the skill (Active=Red).

Step 5: Practice Time

Now it's time for your student to practice.

Make sure to review the training videos (linked at the top of this guide) if you are unsure about how your student practices the skill you assigned.

Have your student practice for at least 15 minutes over the course of a week, spread out over multiple days

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Step 6: Review the Data

In order to have success with ObjectiveEd, it is critical that you monitor your students performance and adjust the skills they are practicing as needed

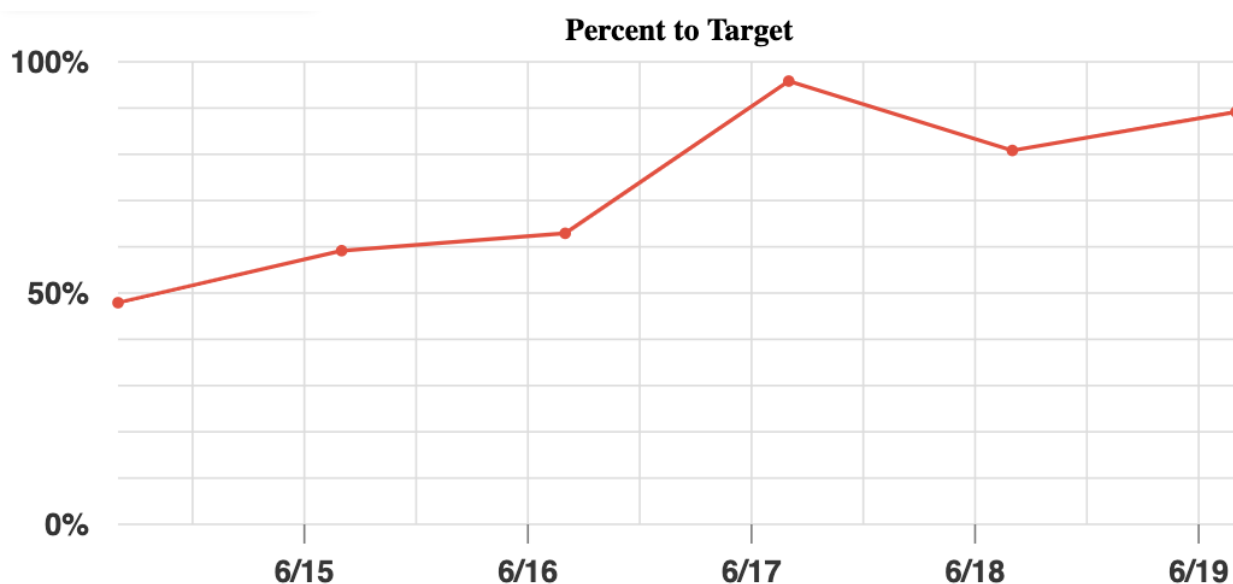
After your student has practiced for at least 15 minutes over the course of a week, view their Student Dashboard to check on their progress.

Look at their *Percent to Target Graph* - This shows you their accuracy relative to the target percentage of the skill they are practicing. The skills in this goal set the target percentage at 100% so you can see this as overall accuracy with regards to each prompt.

Example Data:

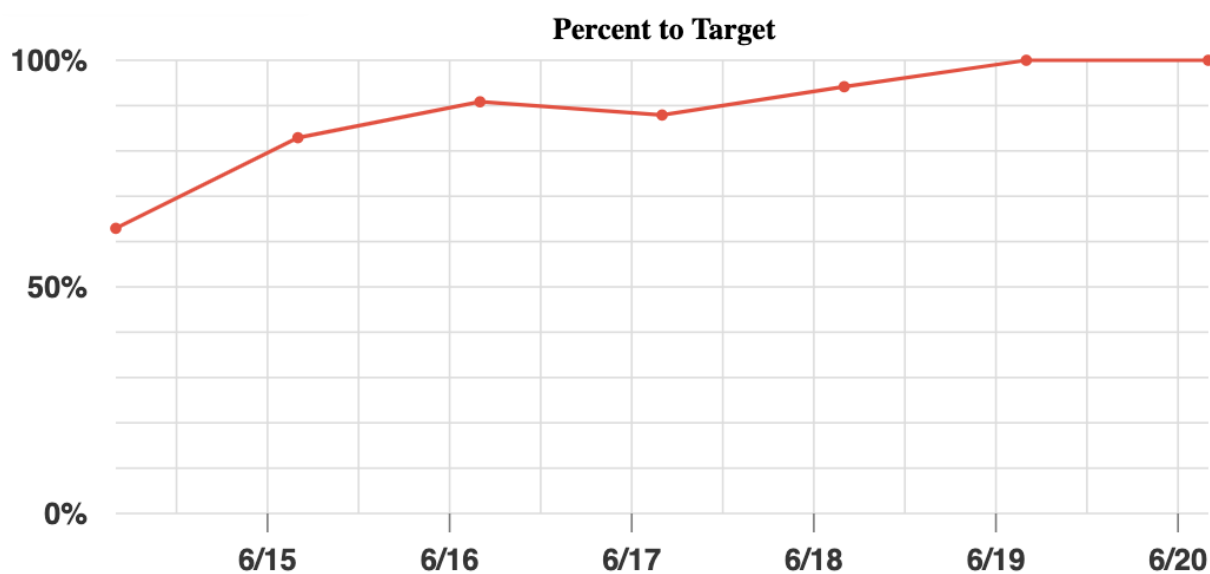
Ideal Outcome

Skill is appropriate for the student, no immediate action needed



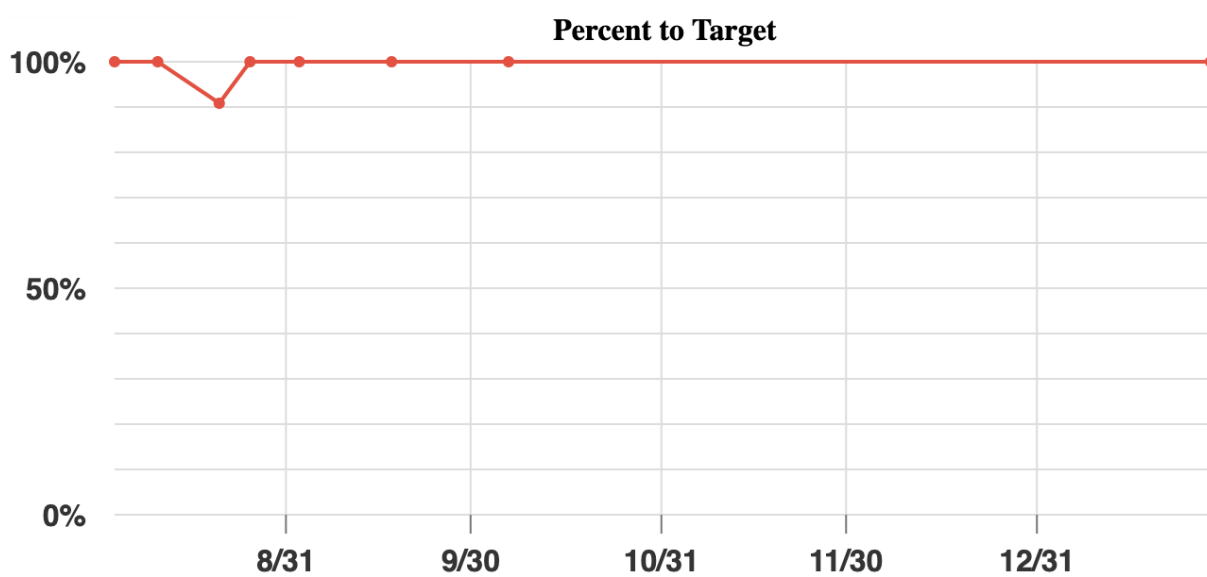
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Good Outcome



Skill may be slightly too easy for the student, consider advancing them to the next logical skill

Action Needed



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If your student's data looks similar to this, it means that they should immediately be moved to a more challenging skill.

Our Recommendation: Immediately advance the student to a more challenging skill, repeat Step 5, and reevaluate the data in a week's time.

***If the student's data suggests that the student is still excelling, view the last page of this guide which recommends additional goals to move on to.**

Student is struggling with the basic skill?

In many situations, our skills can be adjusted and tailored to your specific student's needs. If you find that your student is struggling with the basic skills in this goal review the following video which outlines how to edit skills to better match your students needs.

Example: Increasing the time to respond to a prompt from 9 seconds to 20 seconds.

*If you edit a skill to be more appropriate for the student it may increase the need for you to motivate the student to practice.

[ObjectiveEd Tutorials: Editing Skills for your Students](#) (4 Minutes)

Step 7: Next Steps

Assuming your student had either the ideal or good outcome, continue to have them practice for at least 15 minutes per week, spread out over multiple sessions.

Students can of course practice more frequently for better outcomes, but the key is **consistency**. Practicing intermittently with long gaps between practice sessions will lead to data inconsistencies and non-linear growth.

Monitor their performance once a week, and progress them on to the next logical skill when they display continued success (i.e. 100% accuracy for at least $\frac{3}{4}$ occurrences)

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****Important notes**

ObjectiveEd is designed to help students practice important skills, and while we try to engage students with games, and reward systems, not all students will be engaged enough to practice without additional motivation.

ObjectiveEd is a tool, providing you with valuable progress data, students should be encouraged to practice at semi-regular intervals while they are working on a specific skill/topic.

While we are constantly working to expand the number of skills our system helps reinforce, ObjectiveEd may not be appropriate for all of your students all the time. If you have a student currently working on a skill/topic that ObjectiveEd has content for, consider implementing ObjectiveEd for that period of time to aid your teaching, as a reinforcement tool.

Step 8: Additional Goals/Skills to Work With

After your student improves their sound localization skills, you may want to reinforce their sound identification skills.

Option 1: Sound Identification

Option 2: Sound Identification, Working Memory and Grid Concepts

If you have any questions at all please contact,

Support@ObjectiveEd.com

We are always here to help!