



Tiny

Quiz Bot

Using Tinybots to develop students' thinking
in any subject

tiny.school/en/teacher-materials

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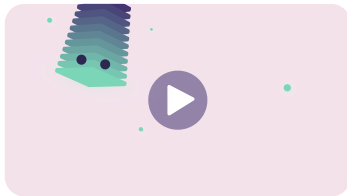
Using Tinybots to Develop Thinking

Introduction

The goal of meaningfully integrating generative AI (GenAI) into teaching is to use chatbots as guides for students' thinking and learning. Rather than handing out ready-made answers, the chatbot should lead students to think, ask questions, make connections, and build arguments. That is why we created Tinybots. This teaching material walks you step by step through using Tiny to bring chatbots into your lessons in a way that truly supports students' growth and thinking. We wish you every success!

The activities in this teaching material require registration in Tiny, an AI app developed by the nonprofit AI for Children. Please register in the app. If you need help, we have prepared video tutorials for you.

teacher.tiny.school

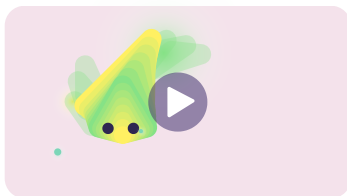


How to Register for Tiny

Registering for Tiny is quick and easy. We have prepared two video tutorials for you:

+ teacher registration: tiny.school/en/how-to-sign-up-as-a-teacher

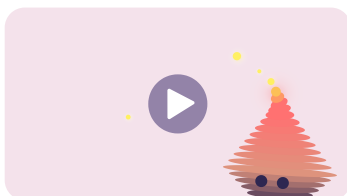
+ student registration: tiny.school/en/how-students-sign-up



Getting Started with Tiny

From a blank app to a live activity: create a class, set up a lesson, pick one of the eleven Tinybots, and give it a topic. Then just share the four-digit code with your students.

+ Video tutorial: tiny.school/en/how-to-work-with-tiny

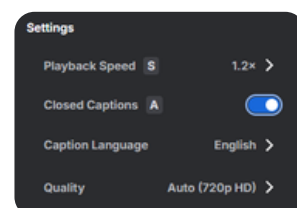


How to Create a Lesson in Tiny

Three ways to prepare a lesson: with the Tiny Guide, from the Lesson Library, or from scratch.

+ Video tutorial: tiny.school/en/how-to-create-a-lesson-in-tiny

Please note that the videos are in Czech. English subtitles are available. To turn them on, click the gear icon (Settings) in the bottom right corner of the video, switch on Closed Captions, and select English under Caption Language.



Quiz Bot

The Quiz Bot checks students' knowledge and skills through short tasks and questions. Instead of giving long explanations or teaching step by step, it keeps track of what a student has mastered and where they slip up. It mixes task types such as multiple choice, fill in the blank, and short open answers. At the end, it sums up the results and suggests what to practice next.

Unlike the Review Buddy, it is not meant to walk students through the material or explain it. The Quiz Bot's main job is to check knowledge, log mistakes, and measure success.

Quiz Bot at a Glance

- + checks knowledge through tasks,
- + uses a variety of question types,
- + avoids long explanations,
- + evaluates whether answers are correct,
- + great for quick practice and review,
- + can give a percent score and practice tips.

When It Works Best

The chatbot works best when you need to quickly see what students have mastered, check their understanding of specific concepts, or have them apply what they have learned across different task types. Switching formats helps hold students' attention and lets you track their progress as you go.

What It Works Well For

- + checking knowledge after a unit,
- + getting ready for a quiz or test,
- + quick review of the material,
- + independent practice at home,
- + short in-class activities (5 to 15 minutes),
- + mixing different task types,
- + spotting a student's strengths and weak spots,
- + practicing under time pressure.

What It Is Not Suited For

- + long explanations of new material,
- + deepening knowledge of a topic,
- + extended work with mistakes,
- + guiding students step by step through learning.

In these cases, the Review Buddy is a better fit, since it focuses more on explaining, revisiting mistakes, and building understanding.

How the Quiz Bot Works

This is not a typical conversation but a series of short tasks and answers. The chatbot gives one task at a time and alternates between task types. Its replies are brief and to the point, it keeps track of the student's score, and it can adjust the difficulty of the next tasks based on their answers. At the end of the activity, it sums up the results.

What to Watch Out For

The Quiz Bot is not the right choice when a student needs a detailed explanation of the material or longer-term guidance through learning. Also avoid prompts that are overly complex or vague. It works best when the topic, scope of content, and expected outcome are clearly defined in advance; keywords help too.

It is also worth reminding students that the chatbot can make mistakes and that quiz results are mainly meant to support learning and offer rough feedback, not to serve as the only basis for grading a student.

Recommended Follow-Up Activities

To make the Tinybot more than a stand-alone activity and turn it into a meaningful step toward your learning outcome, we recommend planning a follow-up task. Here are a few ideas for building on it:

- + a class review of the most common mistakes,
- + a short reflection,
- + pair work,
- + students explaining the correct methods to classmates,
- + follow-up practice with the Review Buddy,
- + a short writing activity or discussion.

How to Set Up the Activity in Tiny

For the most relevant results, we recommend including the following information in the system prompt in Tiny:

- + the topic or content (or specific questions the student should answer),
- + the students' age or level,
- + the length of the activity,
- + the expected outcome or goal of the activity,
- + optionally, task types or how answers are scored.

Keywords help the chatbot steer the conversation and make sure the student does not skip important parts of the topic.

Example of a Good Prompt

"Quiz a 9th grader on the causes of World War II and the key events from 1939 to 1941. Use a mix of multiple choice and short answer questions. 10-minute activity."

Example of a Poor Prompt

"Quiz the student on everything about World War II."

Sample Prompts

English Language Arts

Topic: Noun, adjective, and adverb (time, cause) clauses

Age: 14 to 15

Length: 10 minutes

Learning outcome: The student identifies specific types of dependent clauses: noun, adjective, and adverb clauses.

Enter this prompt into the chatbot:

Check an 8th grader's ability to tell apart noun clauses, adjective clauses, and adverb clauses of time and cause. Use a mix of tasks (multiple choice, identifying the clause type, short answers). At the end, give the student a percentage score and suggest what to practice more. Focus on connecting words (that, who, which, when, because) and on each clause's function in the sentence. Avoid other clause types and overly complex sentences.

Math

Topic: Math Detective: Escape Room (Equations and Logic)

Age: 13 to 14

Length: 10 minutes

Learning outcome: The student solves the given equations and logic puzzles and reaches the target success rate.**Enter this prompt into the chatbot:**

Quiz the student in the form of an "escape room." The student tries to "find the way out" by solving a series of tasks, and each correct answer moves them one step closer. Use a mix of task types (solving an equation, filling in the blank, multiple choice, a simple logic puzzle). Link the tasks loosely so that, for example, the answer to one becomes the input for the next. At the end, say whether the student "escaped," and give their percentage score and weak spots.

Focus on mixing task types, connecting calculation with logic, and accurate results. Avoid long explanations, overly complex tasks, and problems without a clear answer.

Spanish

Topic: Food and restaurant vocabulary (novice level)

Age: 12 to 14

Length: 10 minutes

Learning outcome: The student correctly matches word meanings and uses at least 5 expressions in context, with a success rate of at least 70%.**Enter this prompt into the chatbot:**

Quiz the student in Spanish using different task types: multiple choice (match words to pictures or descriptions), sentence completion ("Quisiera ____ una pizza, por favor"), and short responses ("¿Qué dices en un restaurante?"). At the end, evaluate their score and review the words they got wrong so they remember them. Focus on understanding meaning, using words in context, and responding quickly. Avoid explanations during the quiz and overly complex sentences.

History

Topic: The Middle Ages: the Crusades

Age: 12 to 14

Length: 10 minutes

Learning outcome: The student recognizes basic facts about the Crusades and scores at least 70% on the quiz.**Enter this prompt into the chatbot:**

Quiz the student with short tasks (multiple choice, true or false, short answer). Focus on the causes, main events, and consequences of the Crusades. Do not stop to explain; simply confirm whether each answer is correct. At the end, give their score and, if needed, areas to improve. Focus on basic understanding, accurate answers, and quick decisions. Avoid explanations during the quiz and overly detailed questions.

Geography

Topic: U.S. states and their capitals

Age: 9 to 11

Length: 10 minutes

Learning outcome: The student correctly matches states to their capitals with a success rate of at least 70%.**Enter this prompt into the chatbot:**

Quiz the student with a guess-the-capital game. Describe U.S. state capitals without naming them directly (for example, landmarks, rivers, the state, typical features, culture, or fun facts). Start with easier examples and gradually increase the difficulty. The student should identify the city from your description. Alternate between geographic, cultural, and historical clues. If the student answers incorrectly, offer one more clue, but do not reveal the correct answer right away. At the end, give their percentage score and name two capitals they should practice more.

More Tinybots

Tiny offers eleven chatbots that don't hand out ready-made answers but guide students' thinking.

To keep things clear, we have grouped them into categories based on the revised Bloom's Taxonomy. The flower diagram shows the cognitive levels (labeled at the bottom), with the individual Tinybots branching out from them (at the top). This grouping helps Tiny set the right learning outcomes and rubrics, which we use to give you and your students feedback on their conversations. You'll find a description of each Tinybot type, along with its teaching material, here: tiny.school/tinybots

