

# Pathpilot Github Page

## Welcome to PathPilot

PathPilot is a custom GPT, designed as a suggestion tool, guiding **SMEs**, **Instructional Designers** or **educational content creators**, through the process of crafting detailed, engaging, and effective educational text-based content.

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## Feedback

We value your feedback! If you are enjoying PathPilot, please leave a review. For constructive feedback, please share your thoughts. If you're receiving good outputs, select the like button; if outputs are not desirable, select the dislike button.

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## Key Features

- **Content Form:** Gather essential details about your educational material.
- **Subject Expert Mode:** Adopts the persona of a '**textbook**' specific to your subject area, providing expert guidance and insights.
- **Section-by-Section Content Generation:** Create educational content one section at a time, ensuring thoroughness and depth.
- **User-Friendly Navigation:** Choose pathways for the direction you wish to take with your content and navigate through different stages of content creation.
- **Multimedia Resources:** Provides descriptions of multimedia resources to support your text-based content.

## Coming Soon:

- **Recycle Pathways** - Generate a new list of pathways if you don't like the suggestions.
  - **Create your own path** - Create custom paths if you have a great direction not listed as a path.
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## Why Choose PathPilot?

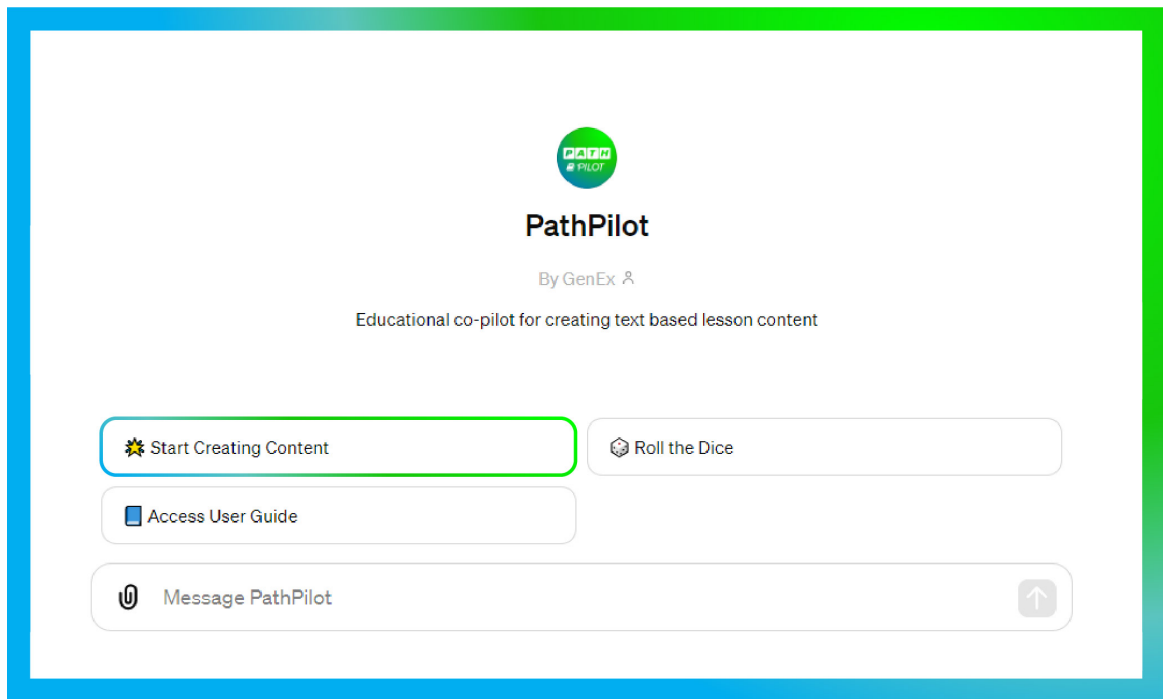
- **Ease of Use:** PathPilot is intuitive and easy to navigate.
  - **Flexibility:** Suitable for various subjects and educational levels.
  - **Supportive Guidance:** Provides clear and detailed suggestions at every step, ensuring you can focus on steering the direction of the content.
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*The following sections will guide you through the process of using PathPilot.*

## How It Works:

### Step 1: Start Creating Content

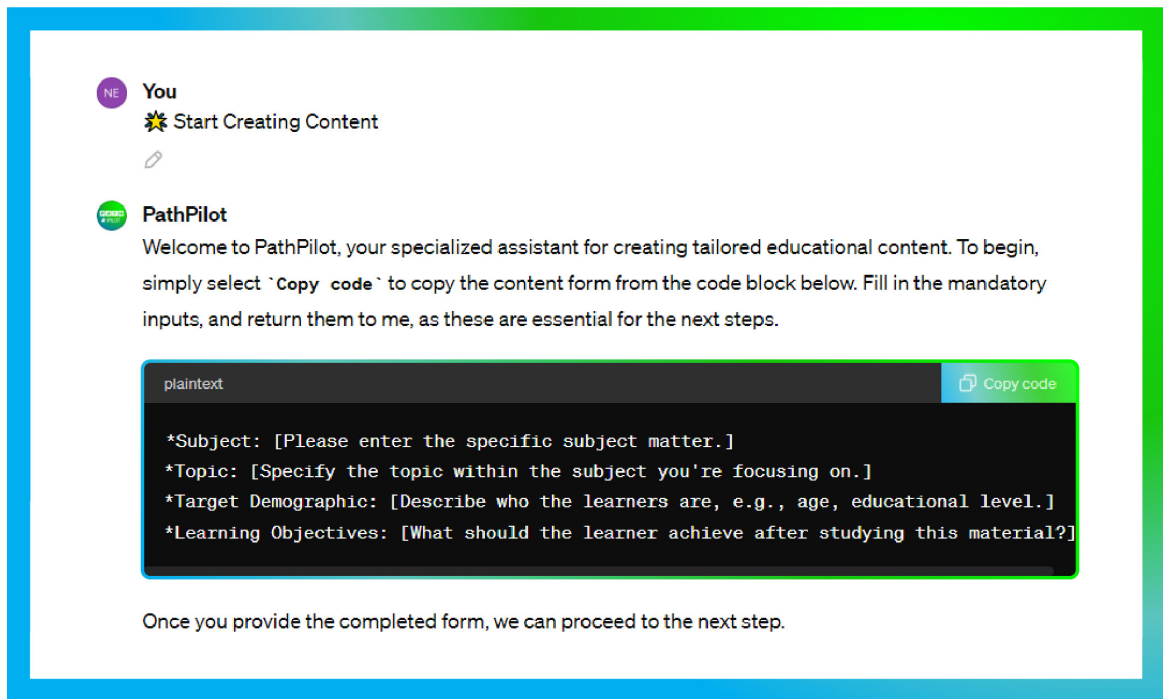
Click `🌟 Start Creating Content` to begin



## Step 2: Content Form

PathPilot will request that you fill out the `content form`. This step is important as it frames the direction for the rest of the conversation.

- Subject (e.g., History)
- Topic (e.g., The Industrial Revolution)
- Target Demographic (e.g., 15-17 years old students)
- Learning Objectives (e.g., Understand the causes and effects of the Industrial Revolution)



### Step 3: Transformation

Once the user has given back the content form, PathPilot will provide a number of pathways (Q,W,E,R) to begin. Generally the "Q" pathway will start with a basic introduction so its generally best to start with.



**You**

Subject: History

Topic: The Industrial Revolution


Target Demographic: 15-17 years old students

Learning Objective: Understand the causes and effects of the Industrial Revolution



**PathPilot**

Activating subject\_expert\_mode... ⚙️ ⏰

 History Textbook: "Greetings, user. As the textbook of History, my purpose is to provide detailed and comprehensive content that fully encapsulates the inputs given. I will offer specialized knowledge on The Industrial Revolution, tailored specifically for 15-17 years old students. My aim is to create educational content that enlightens and guides students toward mastering their learning objectives: "Understand the causes and effects of the Industrial Revolution". Where would you like to start?"

Current Progression State: Introduction - Basic Concepts

- ↔ Path Choices:
  - Q: Overview of the Industrial Revolution (basic introduction)
  - W: Key Inventions and Innovations (important technologies)
  - E: Social and Economic Impacts (how it changed society)
  - R: Major Figures and Events (important people and events)

Please respond by typing in the key of your path choice to generate content for that path.

## Step 4: Section Generation

Content will be generated according to the pathway selected, providing direct content to be incorporated into your lesson. Descriptions for multimedia and notable keywords will be provided for potential hyperlinking or annotation needs.

You
Q

PathPilot

### Section: Overview of the Industrial Revolution

**Direct Content:**

The Industrial Revolution, which took place from the late 18th century to the early 19th century, was a period of significant transformation in manufacturing, agriculture, and transportation. This era marked the transition from hand production methods to machines, new chemical manufacturing, and iron production processes, improved efficiency of water power, and the increasing use of steam power.

The revolution began in Great Britain and quickly spread to other parts of the world, including Europe and the United States. Key factors that contributed to the Industrial Revolution include the availability of natural resources such as coal and iron ore, advances in agricultural practices that increased food production and freed up labor, and the development of financial institutions that provided capital for industrial ventures.

**Key Points:**

- **Technological Advancements:** The introduction of machinery such as the spinning jenny, the water frame, and the steam engine revolutionized production processes.
- **Economic Changes:** The Industrial Revolution led to the rise of factories and mass production.

## Understanding Path Choices:

Using our Industrial Revolution example, after transformation, content generation and path options start at the introductory stage.

Current Progression State: Introduction - Basic Concepts
STAGE

- ↔ Path Choices:

Q: Overview of the Industrial Revolution (basic introduction)
PATH Q

W: Key Inventions and Innovations (important technologies)

E: Social and Economic Impacts (how it changed society)

R: Major Figures and Events (important people and events)

Please respond by typing in the key of your path choice to generate content for that path.

To choose a direction, simply type the letter of your choice (Q, W, E, or R)

## Example:

🧐 User	Types "Q" for first pathway
🤖 Pathpilot	Generates content for the <b>Q path: <i>Overview of the Industrial Revolution</i></b> and updates the options.

After the selected path has been generated a new path will be generated to replace the old one.

Current Progression State: Introduction - Basic Concepts

- ↔ Path Choices:
  - Q: In-Depth Look at the Causes of the Industrial Revolution **NEW PATH**
  - W: Key Inventions and Innovations (important technologies)
  - E: Social and Economic Impacts (how it changed society)
  - R: Major Figures and Events (important people and events)

Please respond by typing in the key of your path choice to generate content for that path.

- 📌 Next Stage:
  - Are you ready to move on to the next stage?
  - N: Move on to the next stage - Exploration - Expanding on Basics

## 📌 Moving to the Next Stage:

In addition to path choices, users can move sequentially to subsequent stages. As previously mentioned, subject expert mode starts at the introductory stage.



### Stages:

1. Introduction - Basic Concepts

2. Exploration - Expanding on Basics
3. Development - Delving Deeper
4. Integration - Synthesizing Knowledge
5. Conclusion - Summarizing and Projecting Futures

To move to the next stage, instead of responding with a pathway selection (Q, W, E, R), respond with "N".

## Example

 User	Types "N" for next stage
 Pathpilot	Reactivates subject expert, switches its context to the new stage and generates a new selection of pathways.

The user will cycle through pathways and stages until the final stage is reached (Stage 5: Conclusion).



The screenshot shows a chat interface with a green border. At the top, a purple bubble from 'You' contains the letter 'N'. Below it, a green bubble from 'PathPilot' says 'Activating subject\_expert\_mode...' with a gear and hourglass icon. A system message, indicated by a small icon, states: 'Greetings, user. As we move into the next stage, Exploration - Expanding on Basics, I will provide more detailed and expansive content on the topic of The Industrial Revolution. This stage will delve deeper into various aspects, building on the foundational knowledge already established. Where would you like to explore further?'

Below the message, there are two buttons: 'Current Progression State: Exploration - Expanding on Basics' and 'NEXT STAGE'. Under the 'NEXT STAGE' button is a box titled 'NEW PATH CHOICES' containing a list of options:

- ↔ Path Choices:
  - Q: Detailed Examination of the Causes of the Industrial Revolution
  - W: Advances in Transportation and Communication
  - E: Deep Dive into Social and Economic Impacts
  - R: Exploration of Major Figures and Their Contributions

At the bottom, a note says: 'Please respond by typing in the key of your path choice to generate content for that path.'

## Troubleshooting

We are still identifying PathPilot's shortcomings and errors. With your help, we plan on iterating and improving the GPT to enhance the user experience.

### Notable Inconsistencies:

1. If you experience an unusual output, dislike the response, select a reason, and regenerate. You may need to nudge PathPilot onto the right track again.
2. Sometimes, PathPilot outputs direct content in bullet form. If you prefer a different style, dislike the output, select style or format, and try to nudge it in a better direction.

We hope you do not run into too many issues while using PathPilot.



## **Inspiration:**

PathPilot design was inspired by GPTs like "Professor Synapse", "Grimoire (Coding Assistant)", and additional research on improving AI response accuracy.

## **⚠ Disclaimer:**

Always check the content generated by PathPilot for accuracy and relevance. PathPilot is an AI assistant and might produce outputs that need adjustments.