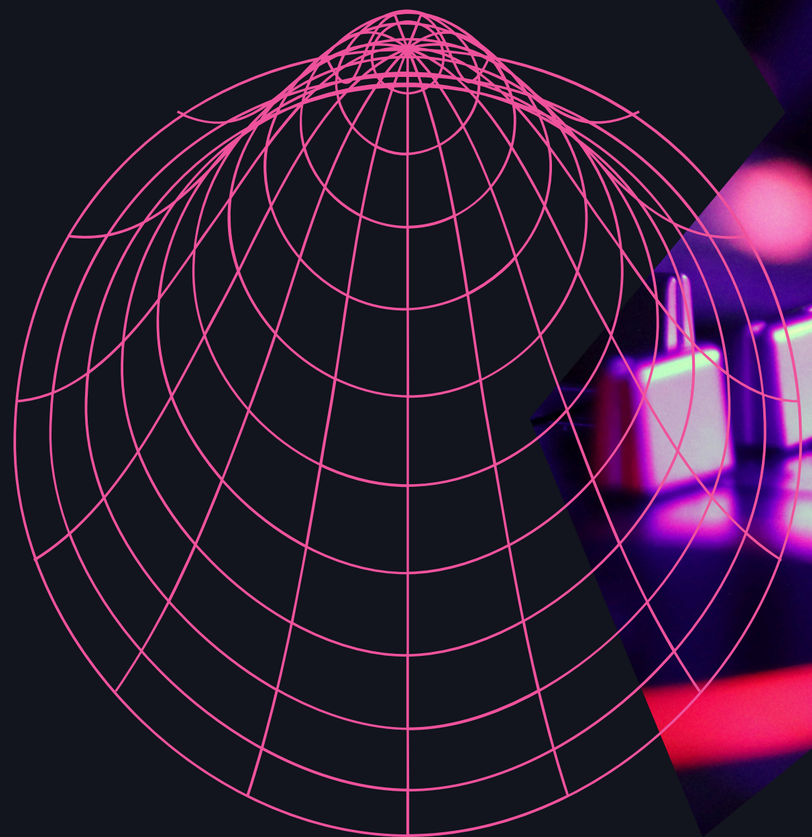
AI in Personalized Learning

Technology analyzes learning data, such as student pace and preferences, to deliver personalized materials and experiences that facilitate understanding and progress.



This approach allows students to progress at their own pace and strengthens their engagement with the content, creating a more effective, student-centered educational experience.

Artificial intelligence (AI) can be used to personalize learning in a variety of ways, including:

Customizing learning paths
AI can analyze data on a student's performance and skills to create a personalized learning path

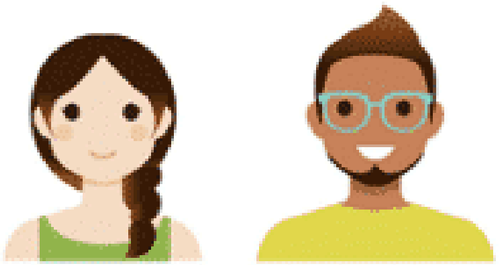
Tracking progress
AI can track a student's progress and provide customized content and recommendations based on their needs and abilities.

Providing feedback
AI can analyze student data and provide customized recommendations and feedback to help students achieve their learning goals

Traditional Learning

What Instructors Do

- Find content
- Organize content
- Edit content
- Respond to students



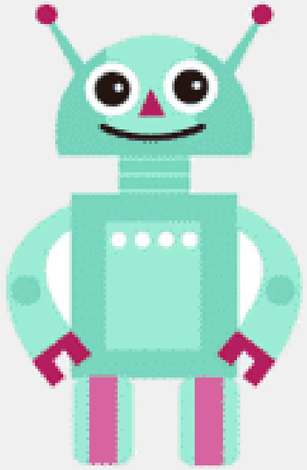
What Students Do

- Everyone gets the same content
- If you miss a concept you are left behind
- Everyone moves at the same pace

Adaptive Learning

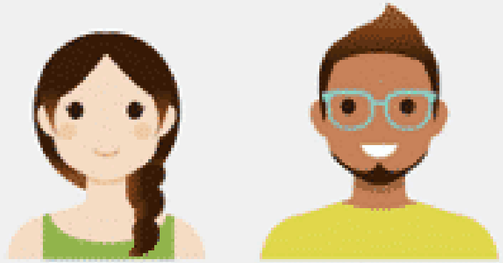
What Instructors Do

- Decide what to teach
- Coach, manage and engage students



What Adaptive Tech Does

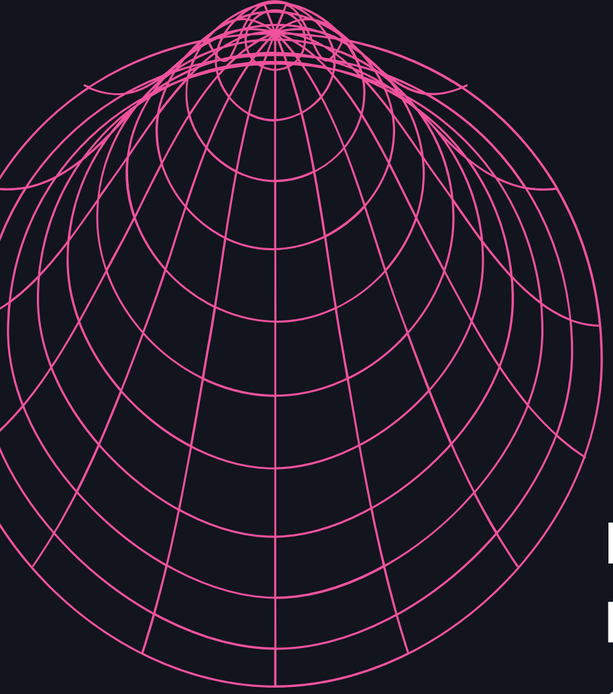
- Finds best content
- Links concepts to content
- Adjusts based on content and student success



- Get a learning plan just for them
- Skip concepts they know
- Get recommendations
- Master all concepts

Identifying learning needs

AI helps identify what each student needs by continuously checking their progress and adapting the content to fit. For example, if a student finds something easy, AI will raise the difficulty to keep them engaged, or if they struggle, it simplifies the material or offers extra support.



Conclusion

In conclusion, AI in Personalized Learning transforms education by adapting content to each student’s pace, strengths, and challenges. By assessing progress in real time, AI can modify difficulty levels, identify areas needing extra support, and offer tailored resources.