**Summary of the Article: President Biden's Executive Order on AI in Education**

1. **Executive Order by President Biden:**
   * President Biden signed an executive order to help teachers use AI-based educational tools, especially personalized tutoring technology.
   * The U.S. Department of Commerce will give guidance on authenticating content and marking AI-made content to fight plagiarism.
   * The order calls on Congress to pass laws safeguarding data privacy, especially for kids.
2. **Safeguards and Guidance on AI Use:**
   * The order sets national standards for AI use but doesn't punish businesses for not following them.
   * A group called the National Institute of Standards and Technology will create rules for "red team testing" to make sure AI systems are safe before they're used publicly.
3. **Impact on Ed Tech Companies:**
   * These new rules could affect companies that make educational tech with AI.
   * Experts say the U.S. Department of Education should evaluate how AI is used in schools.
4. **Data Privacy Concerns:**
   * AI can make it easier to take and misuse personal information, which is a data privacy risk.
   * The order tries to stop invasive data mining and keep student data safe.
5. **Addressing Mental Health Concerns:**
   * President Biden worries about AI's effects on mental health, especially for teens who see a lot of addictive social media content.
6. **Ongoing Initiatives:**
   * This order fits with Biden's work to limit Big Tech's collection of kids' personal data.
   * Lawsuits against social media companies, like Meta, show concerns about how tech affects students.
7. **Anti-Discrimination Measures:**
   * The order asks for the best ways to handle and stop discrimination from AI algorithms in civil rights investigations.
8. **Parental Perceptions:**
   * A survey found that 49% of parents don't think their child's school is ready to use AI tools for education.
   * But over two-thirds of parents see the potential benefits of using AI in education.
9. **Parental Preferences:**
   * 56% of parents think AI-driven online tutoring could help their kids the most.
   * 52% support teachers using AI to make lessons and plans that fit each student.
10. **Role of Educators:**

* Earlier advice from the U.S. Department of Education stressed the importance of keeping humans in charge and having teachers lead the use of AI in classrooms.

1. **Ongoing K-12 AI Guidance:**

* Different groups, like the educational tech industry and companies like OpenAI's ChatGPT, have been helping create guidelines for using AI in K-12 education.

This executive order supports AI in education while dealing with privacy, mental health, and discrimination worries.