

# Challenges in Creating Engaging K-4 Learning Materials (and How AI Can Help)

## Pain Points for Elementary Teachers (Grades K-4)

- **Heavy Time Investment in Lesson Prep:** Teachers often spend many hours each week creating lesson plans, worksheets, and activities. In fact, over **90% of teachers seek out or make their own teaching materials**, a time-consuming necessity when pre-packaged curricula fall short <sup>1</sup>. A 2024 survey found **more than three-quarters of teachers** regularly create or modify classroom materials to supplement textbooks <sup>2</sup>. This planning load often extends into evenings and weekends, contributing to teacher fatigue <sup>3</sup>. (One veteran educator admitted to being “*sleep-deprived*” for years, staying up late to craft lessons and adapt materials for her students <sup>3</sup> <sup>4</sup>.)
- **Need to Differentiate for Mixed Abilities:** Elementary classrooms typically include students with a wide range of abilities and learning needs, which makes **differentiation** a major challenge. Teachers struggle to efficiently “*create content that explains a grade-level concept while providing practice for students on a spectrum of abilities,*” as one teacher noted <sup>5</sup>. They must scaffold lessons with multiple levels of support or alternate versions – a very time-consuming task. Another educator gave the example of teaching math: in one class, some children might still need practice with basic two-step problems while others are ready for more advanced multi-step ones <sup>6</sup>. Designing materials that target such **specific gaps or misconceptions** (e.g. difficulty distributing a negative sign in math) requires significant effort <sup>7</sup>.
- **Difficulty Finding Engaging Content:** Creating **engaging, age-appropriate content** is another pain point. Teachers report it’s “*exhausting*” to find multiple high-quality examples or readings that will hold young learners’ attention <sup>8</sup> <sup>9</sup>. For instance, a reading teacher wanted several short stories to illustrate a concept (because if she uses a long story, “*half my kids stop paying attention on page 2*”) – but hunting down **multiple relevant texts** was too time-intensive <sup>10</sup>. Many educators end up scouring websites or marketplaces for ideas, where quality is hit-or-miss. (Indeed, quality on lesson-sharing sites varies widely, and downloaded materials sometimes contain errors or inappropriate content <sup>11</sup>.) Teachers feel overwhelmed by the “**resource overload**” – wading through endless search results on Google, Teachers Pay Teachers, or Open Educational Resources – just to find a suitable, engaging worksheet or activity.
- **Ensuring Standards Alignment and Rigor:** K-4 teachers must also ensure their lessons meet required standards (Common Core, NGSS, etc.) and learning objectives. Aligning every worksheet or activity to curriculum standards – and **documenting that alignment** – is tedious. For example, some schools require every lesson plan to list the standard, learning target, assessment criteria, etc., for each day <sup>12</sup>. Teachers lament having to spend “*three to five unpaid hours each week*” writing these formal plans instead of prepping actual materials <sup>13</sup>. This administrative burden is a true pain point – one teacher said they’d “*pay handsomely*” for a tool that could auto-generate those required plan elements, which would **save them hours of work weekly** <sup>14</sup> <sup>15</sup>. Moreover, when districts

introduce new “high-quality” curricula, teachers often find parts of it mismatched to their students’ level, forcing them to **bring in outside resources** or adjust difficulty on their own <sup>16</sup> <sup>17</sup> . Less than half of ELA teachers, for instance, stick to the provided curriculum; most mix in teacher-made or found materials to bridge gaps <sup>18</sup> .

- **Visual and Interactive Material Design:** Keeping young children (K–4) engaged often means creating **visually appealing, interactive materials** – think colorful worksheets, games, or hands-on activities. Many elementary teachers are not graphic designers, yet they spend time formatting documents to look inviting. They know a plain text worksheet won’t hold a second-grader’s interest, so they add images, borders, or fun themes. This design work is another hidden strain. Teachers have noted that some AI or online lesson generators produce very “*text-heavy outputs*,” requiring them to tweak formatting or add visuals manually <sup>11</sup> . There’s a clear need for **polished, ready-to-print materials** that incorporate graphics and child-friendly layouts out of the box.

## Pain Points for Homeschooling Parents (K–4)

*Homeschool parents often feel stretched thin – balancing teaching duties, household tasks, and work – which makes lesson planning a significant challenge* <sup>19</sup> . *Many struggle to keep young kids engaged and focused during home lessons, citing “student motivation” as a constant battle* <sup>20</sup> .

- **Time and Energy Constraints:** Homeschooling parents of young kids wear many hats (teacher, parent, caregiver) and often cite **time management** as their biggest challenge <sup>19</sup> . They must plan lessons while also cooking meals, doing chores, or even working a job. Unlike classroom teachers, homeschool parents don’t get a planning period – every hour of the day they’re “on duty.” This leaves little time to research and create curriculum materials from scratch. One parent with multiple young children described “*feeling like I didn’t have enough time for everyone and everything*” – she was constantly pulled between schooling older kids and keeping younger ones occupied <sup>21</sup> . The result is often stress and burnout for parents, especially when they try to craft perfect lessons on top of daily life demands.
- **Choosing or Creating the Right Materials:** Unlike a school teacher who may have a district-provided curriculum, homeschool parents face an **overwhelming array of curriculum choices**. Sorting through workbooks, online programs, printables, and methods (Montessori? classical? unit studies?) can be daunting <sup>22</sup> . Parents worry about finding resources that are **both educational and age-appropriate**. “*Selecting an effective curriculum can be daunting*,” one guide notes, given the flood of available materials and the pressure to meet educational standards at home <sup>22</sup> . Many parents end up piecing together resources from blogs, Pinterest, or homeschool forums. But this patchwork approach is tough – it’s hard to ensure coherence and coverage of all skills. Some parents admit to using “mediocre free curriculum” because it’s available, even if it might not be ideal <sup>23</sup> . They also fret over whether the material is truly on grade level or aligned with what kids in school are learning. In short, **curriculum design is a huge pain point** for home educators who aren’t professional teachers.
- **Maintaining Child Engagement:** Just like classroom teachers, parents struggle with **keeping kids engaged and on-task** – perhaps even more so at home, where distractions abound. Young children have short attention spans, so even a well-laid plan can go awry if the child gets bored. “*My biggest challenge is student motivation*,” confessed one homeschooling mom, “*my daughter is always distracted*

*and wants to do something else”* <sup>20</sup> . Homeschoolers have to constantly think of creative, fun ways to present material – incorporating games, projects, or real-life activities – or risk battles with a restless child. One parent said *“keeping lessons interesting and engaging”* is a constant effort <sup>24</sup> . This need for **engaging content** means extra work finding experiments, stories, or games suitable for K–4 learners. It’s not easy to be an entertainer and educator all in one, especially every single day. Parents may also worry their home-made lessons aren’t as flashy or exciting as what a school might provide.

- **Lack of Confidence and Support:** Many parents (especially those new to homeschooling or without an education background) feel **unsure about their lesson quality**. They carry the weight of being solely responsible for their child’s learning. This can lead to self-doubt – *“I often worry: am I teaching effectively?”* – a common sentiment <sup>25</sup> . Without the feedback of colleagues or a principal, homeschool parents have to trust their own judgment, which can be stressful. They may not know if their worksheets are truly age-appropriate or if the child is “on track.” This uncertainty can be a barrier when creating materials: parents might stick rigidly to a purchased curriculum even if it’s not a great fit, or conversely, spend hours over-preparing to feel more secure. **Isolation** is part of this pain point – unlike teachers, homeschoolers don’t have a materials budget or a team to share ideas with, so everything falls on the single parent’s shoulders.
- **Cost and Resource Constraints:** Developing a rich curriculum at home can get expensive. On average, homeschooling families spend around **\$600 per student annually** on educational materials (books, software, kits, etc.) <sup>26</sup> . Budget limitations mean parents often seek free resources online or try to DIY their own worksheets. However, free materials aren’t always high-quality or comprehensive, and creating things from scratch requires time (which they already lack). Some parents feel guilt or pressure after purchasing an expensive curriculum – if it doesn’t work well for their child, they feel *“obligated to use it because I spent money on it”*, even if it’s a poor fit <sup>23</sup> . Others skip certain enriching activities (like science labs or field trips) due to cost or logistical hurdles <sup>27</sup> . **Access to ready-made, affordable (or free) materials** is a significant need. Homeschool parents value resources that are both effective and budget-friendly, to reduce the financial strain of buying new curriculum components for each subject and grade.

## How Generative AI (LLMs) Can Solve These Problems

The rise of generative AI tools offers timely solutions to many of the above challenges. Large Language Models (LLMs) like GPT-4 can act as on-demand lesson planners and creative assistants, addressing educators’ and parents’ pain points in the following ways:

- **Significant Time Savings:** An AI lesson generator can **dramatically reduce planning time** by instantly producing lesson outlines, worksheets, and even answer keys from a simple prompt. Teachers who have adopted AI report getting hours of their week back. For example, in a recent national survey, teachers who used AI at least weekly estimated it **saved them about 5.9 hours per week** – equivalent to reclaiming six weeks of time over a school year <sup>28</sup> . This “AI dividend” frees teachers from tedious prep work so they can spend more time on what matters: working directly with students. One veteran teacher noted that using AI for lesson plans, differentiation, and even drafting communications **“adds up to an entire planning day that I get back”** <sup>29</sup> . For a time-strapped 2nd grade teacher or a busy homeschooling mom, generating a full lesson in seconds (instead of scouring Google for two hours) is a game-changer.

- **On-Demand Differentiation and Personalization:** Generative AI excels at **adapting content to different levels and needs**, solving one of the toughest problems teachers identified. With a prompt, an AI can take a topic and instantly produce multiple versions or scaffolds – for example, a simplified “remedial” explanation and an enriched “advanced” activity. Educators are already using tools like ChatGPT to do this: *“I can plug in a text and ask for a kindergarten-level version, and it generates accessible materials in seconds,”* said one teacher about using AI to modify lessons for her special-needs students <sup>30</sup>. Our product leverages this capability by allowing users to **auto-generate differentiated outputs** – e.g. a worksheet can be created in three variants (basic, intermediate, challenge) to cater to diverse learners. This addresses the scaffolding pain point <sup>5</sup>: instead of manually writing separate practice problems for struggling vs. advanced students, the AI can do it nearly instantaneously. Likewise for homeschoolers, an AI tutor can **personalize lessons to a child’s interests and pace**. Parents can input a request like “teach fractions to my 3rd grader who loves basketball” and get a customized lesson that uses sports examples. The AI essentially serves as a virtual teaching assistant, *tailoring explanations, practice problems, and resources to each child’s learning style and level* <sup>31</sup>. This level of personalization was hard to achieve at scale before, but with generative AI, both teachers and parents can easily obtain materials that **fit their unique group of learners**.
- **High-Quality, Standards-Aligned Content:** A well-trained educational LLM can produce lessons that meet academic standards and include the necessary components, alleviating teachers’ worry about alignment and rigor. For example, our AI Lesson Builder is designed to **auto-include learning objectives, relevant standards, and assessment criteria** based on the topic/grade input. This directly tackles the burden of writing formal lesson plans. A teacher can simply prompt “lesson on plant life cycles for 2nd grade” and the AI will output a structured plan that lists, say, NGSS life science standards and clear objectives – saving the teacher from having to lookup and write those details. One educator who faced new requirements for detailed lesson documentation found that an AI tool almost met his needs; he said if the AI could also generate checks for understanding and success criteria, *“you would be saving me hours upon hours of work”* each week <sup>12</sup> <sup>32</sup>. Our product aims to do exactly that. By integrating state standards and proven curricular frameworks (and even pulling vetted content from sources like Khan Academy or OER Commons), the AI ensures the generated materials are **instructionally sound**. Additionally, the model can be instructed to avoid common errors and bias (addressing quality concerns from online sources <sup>11</sup>). The result is that teachers and parents can trust the generated lesson is on-point, factually accurate, and *“meets the educational standards and learning objectives”* they need to hit. This reduces the need to double-check or heavily edit content for alignment – a huge relief for educators who currently feel they must scrutinize outside resources for correctness.
- **Engaging and Visual Outputs:** Unlike generic text generators, our AI lesson tool is built to produce **engaging, kid-friendly materials**. It doesn’t just spit out a text lesson plan; it can format a worksheet with pictures, fun trivia, or age-appropriate language to capture K–4 students’ interest. For example, if a user requests a worksheet on fractions for 1st graders, the AI might create a colorful printable with pizza slice graphics for fractions, simple wording, and maybe a little cartoon character in the corner encouraging the student. Early adopters of AI in education note that it can rapidly generate creative examples, stories, or analogies that hook students. One homeschooling resource describes how *the interactive nature of ChatGPT keeps students engaged* by presenting material in a conversational, Q&A style and giving immediate feedback <sup>33</sup> <sup>34</sup>. We harness that power by including interactive elements in the generated content (for instance, a short dialogue

problem on the worksheet, or a “try this mini-experiment” activity in the lesson plan). Moreover, the AI Lesson Builder features an **auto-layout engine** that outputs polished designs – meaning the user gets a ready-to-print PDF with pleasing visuals, rather than a raw block of text. This directly addresses teachers’ complaints that other AI tools gave “*text-heavy outputs*” that required additional formatting <sup>11</sup>. By automating the visual design (with templates for early elementary that include graphics and playful fonts), the tool **saves educators even more time** and yields materials that can better hold a young child’s attention. In short, the AI not only generates the *content* of the lesson, but also optimizes its *presentation* for engagement.

- **Instant Access to a Wealth of Resources:** Generative AI can draw on a vast corpus of knowledge, essentially giving teachers and parents a one-stop shop for resources. Instead of searching 10 different websites for ideas, a user can ask the AI and get multiple suggestions in one response. For example, “*Give me three fun ways to practice phonics at home*” might return a list of activities, each with instructions – something that would take significant Googling to compile otherwise. According to a 2024 report, teachers increasingly turn to digital and self-created materials for flexibility <sup>35</sup> <sup>2</sup>; our tool streamlines this by **curating content on the fly**. It can incorporate definitions, examples, and even pull in open-license text or facts (like a snippet from Wikipedia or an OER textbook) to enrich a lesson. This breadth of information is delivered *immediately*, which is crucial for busy users. One science teacher in a survey said, “*I wish I had more time to explore [OER], there is just not enough time to plan what I need to and also explore enough to shift [to new materials]*” <sup>36</sup>. AI helps solve this by doing the exploration for them – essentially functioning as a research assistant that has already read all the education resources and can summarize or extract what’s needed. For the homeschooling parent, the AI can serve up detailed explanations on any topic a child asks about (“Why do we have seasons?”) and even generate practice questions or projects on that topic <sup>37</sup> <sup>31</sup>. This **breadth and depth on-demand** means parents aren’t limited to whatever curriculum book they purchased; they have a dynamic library at their fingertips, via the AI. It lowers the cost barrier too – instead of buying numerous books or subscriptions, families can leverage the AI (which is powered by large datasets including many free resources). Experts note that using open educational resources (often facilitated by tech) can *reduce costs and personalize instruction* for learners <sup>38</sup> – our platform embodies that by integrating free content and tailoring it to the user’s needs.

- **Easy Export and Sharing:** Finally, our AI Lesson Builder is designed to seamlessly **output the materials in usable formats** (PDF, DOCX, PPTX) and enable sharing. This addresses the need for easy printing and the ability to hand materials off to others (co-teachers, parents, tutors, or students themselves). Teachers can generate a lesson, then download it as a PDF to print class sets or as a PowerPoint to present on a projector. Homeschool parents can save their lesson as a PDF or editable document to reuse for younger siblings or share with a co-op group. The convenience of “*one-click export*” to common formats removes technical hurdles. It’s worth noting that despite the digital age, most teachers still **prefer print materials for students** (surveys show 70% agree digital is flexible, but a majority still like print) <sup>39</sup>. Our tool respects that by focusing on printable outputs that look polished. At the same time, if a parent wants to assign work on a tablet, the PDFs are fillable and the PPTX can be uploaded to Google Slides or similar – offering flexibility for both offline and online use. In essence, the AI generates the content and then *delivers it in the form the educator needs* right away – no extra copy-pasting or software fiddling required. This smooth integration into the teacher’s existing workflow (printing, Google Classroom, email, etc.) further alleviates the pain around accessing and distributing custom materials.

## Unique Insights and Potential Features to Consider

Beyond the core functionality described in the Product Requirements, our research unearthed several insights that could inspire **additional, differentiating features** for the AI Lesson Plan Builder:

- **Multi-Level Lesson Generation:** Teachers and parents strongly desire the ability to scaffold and differentiate content quickly <sup>5</sup>. A unique feature could be a **“difficulty slider” or multi-level output** option. For any given topic, the AI could simultaneously generate, say, a basic, intermediate, and advanced version of a worksheet or reading passage. This would let a 3rd grade teacher get one set of questions for her struggling readers and another for her high-flyers in one go – or allow a homeschool parent to revisit the same topic at increasing depth as the child grows. This idea extends the current “difficulty adjustment” concept by producing **parallel differentiated materials** on demand. It directly addresses the scaffolding pain point (creating content for students across a spectrum of abilities) and would be a standout capability versus competitors. An extension of this could be **automated scaffolding hints** – e.g. the tool could include optional hint boxes or step-by-step guides on the student worksheet that the teacher can toggle on for those who need it.
- **Misconception Targeting Mode:** Teachers mentioned how hard it is to find resources that hone in on specific student misconceptions or errors <sup>7</sup>. The AI could offer a special mode where the user specifies a common mistake (e.g. “confusing B and D in handwriting” or “misplacing the decimal in division”), and it generates exercises *specifically addressing that pitfall*. For example, it might create a worksheet section titled “Watch Out!” with problems engineered to highlight and correct the misconception. This would save teachers from having to manually create those targeted practice items. It would also demonstrate an understanding of pedagogical pain points at a granular level. Additionally, the AI could provide **teacher notes on misconceptions**, alerting the educator to typical errors students make on the topic and suggesting how to correct them – effectively building some pedagogical content knowledge into the output.
- **Interest-Based and Culturally Relevant Customization:** Both parents and teachers value materials that connect with a child’s interests or background to boost engagement <sup>24</sup> <sup>8</sup>. We could introduce a feature for **theming or contextualizing lessons**. For instance, a user could enter a child’s interest (dinosaurs, space, sports) or a cultural context, and the AI will incorporate that into the lesson. *Teach multiplication with a soccer theme, or create a reading comprehension passage about a young hero in my city.* This personalized context feature would yield more **relatable and engaging content**, addressing the complaint that pre-made materials often feel too generic or not relevant to students’ lives. It also helps homeschooling families who want to tailor lessons to their child’s passions (e.g., a parent could generate a history lesson centered on their family’s heritage or a science lesson featuring the child’s favorite animals). This goes beyond basic prompts by making personalization a structured part of the UI, which could set our product apart – essentially, **mass customization of curriculum** at the click of a button.
- **Auto-Integration of Visuals and Media:** To further tackle the engagement challenge for K–4, the tool could leverage AI’s ability to generate or fetch images. A possible feature is **auto-inserted illustrations or icons** relevant to the lesson topic. For example, if the lesson is about plant life cycles, the generated worksheet could automatically include a simple diagram of a seed growing into a plant. We might integrate with an image generation API or a library of open-licensed clipart to achieve this. By lowering the barrier to adding visuals, we save educators the step of searching for

pictures and make the materials more appealing to young learners. Another idea is to embed QR codes in the printouts that link to short videos or interactive content (e.g., a QR code next to a science experiment procedure that leads to a demo video). This bridges print and digital in a user-friendly way and enriches the learning experience – parents can scan for extra help, or students can see concepts in action, without the teacher having to assemble multimedia resources themselves.

- **Community Sharing and Curation:** While the AI can generate infinite content, there is value in community-vetted materials. A feature to allow users to **share their favorite AI-generated lesson plans or worksheets** (optionally) to a common library could address quality and trust issues. Over 90% of teachers already share or seek materials online <sup>1</sup>, so building a sharing platform into our product meets an existing behavior. Users could browse lessons created by others (with the prompt and any edits visible), and even rate or comment on their effectiveness. This would help new users see examples and give experienced users a way to fine-tune prompts collaboratively. It also implicitly solves some alignment/accuracy concerns – if a hundred teachers have used and liked the “2nd Grade Fractions – Baking Recipes” lesson, a new teacher can feel more confident in it. Our AI could learn from popular shared content to improve future outputs. This social feature set would differentiate us from simpler AI prompt tools by creating a **teacher/parent community around content creation**, much like a next-gen TeachersPayTeachers (but with AI-produced content as the starting point).
- **Progress Tracking and Adaptive Suggestions:** Particularly for homeschoolers (but also useful to teachers), the product could include a simple **curriculum tracker**. As users generate lessons, they could tag them to certain skills or standards (or the system auto-tags them). Over time, the tool can show what topics have been covered and suggest **“what to teach next.”** For example, a parent who has used the AI to teach several first-grade math units might get a suggestion that *“You’ve done addition and subtraction – how about a lesson on introductory geometry shapes next?”* with a one-click prompt ready. This helps ensure coverage and can alleviate the planning burden of *“what haven’t we done yet?”* It also leverages the AI’s curriculum knowledge to guide users through a logical sequence (spiraling or scaffolding topics appropriately). By acting as a smart curriculum advisor, the tool would further set itself apart and deeply assist those who feel unsure about designing a full program (a point of stress for many homeschool parents).

In summary, our deep research confirms that **time, quality, customization, and engagement** are the primary pain points for K–4 educators and parents in creating learning materials. A generative AI-powered Lesson Plan Builder directly addresses these needs – saving prep time, adapting to learners, aligning to standards, and producing engaging, ready-to-use content. By also considering the unique feature ideas above (from multi-level differentiation to interest-based theming), we can not only solve users’ core problems but *delight* them with innovations that reimagine what lesson creation looks like. The ultimate vision is to empower every teacher and parent to design high-quality, personalized lessons in minutes – not hours – **transforming their great ideas into classroom-ready materials with unprecedented ease** <sup>40</sup>

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#### Sources:

1. EdSurge News – *Teachers Try to Take Time Back Using AI Tools* <sup>29</sup> <sup>30</sup>
2. Gallup & Walton Foundation – *Teaching for Tomorrow: Unlocking Six Weeks a Year With AI* (2025) <sup>42</sup> <sup>28</sup>
3. Education Week – *Over 90% of Teachers Create or Find Their Own Materials* <sup>1</sup>

4. K-12 Dive (2024) – 75%+ of Teachers Supplement Textbooks with Self-Created Materials 2 36
  5. Reddit – r/Teachers thread on lesson planning pain points (educator anecdotes on differentiation & content search) 5 8
  6. Reddit – r/Teachers (comment about AI-generated lesson components saving hours) 12 32
  7. SplashLearn Blog – 6 Homeschooling Challenges (time management, curriculum selection, engagement, cost) 19 26
  8. Reddit – r/Homeschool (parent anecdotes on motivation and cost challenges) 20 23
  9. 21K School – Using ChatGPT for Homeschooling (how AI provides personalized lessons and engagement) 37 31
- 

1 11 Off-the-Shelf or Custom-Made? Why Some Districts Are Designing Their Own Curriculum

<https://www.edweek.org/teaching-learning/off-the-shelf-or-custom-made-why-some-districts-are-designing-their-own-curriculum/2022/09>

2 35 36 38 39 Teachers' awareness of open educational resources hits 5-year high | K-12 Dive

<https://www.k12dive.com/news/teachers-awareness-open-educational-resources-digital-materials-highest-five-years-2023-2024/726751/>

3 4 29 30 Teachers Try to Take Time Back Using AI Tools | EdSurge News

<https://www.edsurge.com/news/2025-08-25-teachers-try-to-take-time-back-using-ai-tools>

5 6 7 8 9 10 12 13 14 15 32 Teachers of r/teachers, what are your biggest pain points with lesson plan creation? : r/Teachers

[https://www.reddit.com/r/Teachers/comments/12h5tuu/teachers\\_of\\_rteachers\\_what\\_are\\_your\\_biggest\\_pain/](https://www.reddit.com/r/Teachers/comments/12h5tuu/teachers_of_rteachers_what_are_your_biggest_pain/)

16 17 18 As Districts Choose Better Curricula, Some Teachers Say It's Too Hard

<https://www.edweek.org/teaching-learning/as-districts-choose-better-curricula-some-teachers-say-its-too-hard/2023/12>

19 22 24 25 26 40 6 Homeschooling Challenges and How to Tackle Them

<https://www.splashlearn.com/blog/homeschooling-challenges/>

20 21 23 27 What are the biggest challenges you face as a homeschooling parent? : r/homeschool

[https://www.reddit.com/r/homeschool/comments/xe4k6h/what\\_are\\_the\\_biggest\\_challenges\\_you\\_face\\_as\\_a/](https://www.reddit.com/r/homeschool/comments/xe4k6h/what_are_the_biggest_challenges_you_face_as_a/)

28 41 42 Three in 10 Teachers Use AI Weekly, Saving Six Weeks a Year

<https://news.gallup.com/poll/691967/three-teachers-weekly-saving-six-weeks-year.aspx>

31 33 34 37 Using ChatGPT for Homeschooling Education | 21K School

<https://www.21kschool.com/in/blog/using-chatgpt-for-homeschooling-a-professional-guide/>