SCAFFOLDING ENGLISH LANGUAGE LEARNERS NATIONAL CENTER ON UDL

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Scaffolding English Language Learners: A Comprehensive Guide

National Center on Universal Design for Learning (UDL)

What is Scaffolding for English Language Learners?

Scaffolding refers to the support provided to learners to help them complete tasks that they may not be able to complete independently. For English language learners (ELLs), scaffolding involves providing language support that helps them access the content and language of instruction. This support can take various forms and is tailored to the learner's individual needs and level of English proficiency.

How Can Scaffolding Benefit ELLs?

Scaffolding plays a crucial role in enhancing the academic success of ELLs by:

- Providing them with the necessary tools and resources to understand and participate in classroom activities
- Boosting their confidence and motivation by reducing frustration and anxiety
- Promoting language acquisition by exposing them to comprehensible input and opportunities for language practice
- Fostering independence by gradually withdrawing support as learners progress

What Are Key Forms of Scaffolding for ELLs?

Scaffolding for ELLs encompasses a wide range of strategies, including:

- **Visual aids:** Using charts, graphs, pictures, and realia to enhance understanding
- **Graphic organizers:** Providing visual representations of concepts to aid comprehension and organization
- **Simplified language:** Using clear, concise language and avoiding jargon or complex sentence structures
- **Comprehensible input:** Adjusting the level and complexity of language to match the learner's proficiency level
- **Repetition and reinforcement:** Providing multiple opportunities for learners to encounter and practice new language

How Can Teachers Implement Scaffolding in the Classroom?

Teachers can effectively implement scaffolding in their classrooms by:

- Assessing the learner's needs and strengths
- Selecting appropriate scaffolding strategies and resources
- Collaborating with ELLs to determine the level of support required
- Providing timely and targeted assistance to promote learner success
- Gradually withdrawing scaffolding as learners demonstrate progress and independence

What is refactoring improving the design of existing code contents? Refactoring is a controlled technique for improving the design of an existing code base. Its essence is applying a series of small behavior-preserving transformations, each of which "too small to be worth doing". However the cumulative effect of each of these transformations is quite significant.

What term refers to changing the design of existing code? Refactoring is the process of changing a software system in such a way that it does not alter the external behavior of the code yet improves its internal structure.

What is the introduction of code refactoring? The goal of refactoring is to improve internal code by making many small changes without altering the code's external behavior. Computer programmers and software developers refactor code to improve the design, structure and implementation of software. Refactoring improves code readability and reduces complexities.

How do you refactor code effectively?

What is refactoring in design? In software development, refactoring is the process of improving the internal structure or design of existing code without changing its external behavior. The aim of refactoring is to make the code easier to understand, modify, and maintain, while also reducing the risk of introducing new bugs.

What is an example of refactoring? Refactoring By Abstraction Pull-Up/Push-Down method is the best example of this approach. Pull-Up method: It pulls code parts into a superclass and helps in the elimination of code duplication. Push-Down method: It takes the code part from a superclass and moves it down into the subclasses.

What are some benefits of code refactoring?

Does refactoring improve performance? By taking the time to refactor after deployment, developers can optimize the codebase for better performance and maintainability. Before Adding Updates or New Features: Refactoring code before adding updates or new features ensures that the existing code is structured in a way that makes it easy to build upon.

What is the first rule of refactoring? The refactoring Rule of Three is a rule of thumb you can use when you're in doubt. Wait until you see the duplication happening a third time before you introduce your abstraction. With more occurrences, it will be easier to find the commonalities to extract.

When should you start refactoring your code? Before updating new features - Refactoring before adding new features or altering the existing codebase can build a more flexible and cleaner foundation. Besides, it might be time to refactor if adding new functionalities has become difficult due to the existing code structure.

What is the tool for refactoring code? PyCharm, developed by JetBrains, is a feature-rich Python IDE that offers robust tools for code analysis, refactoring, and navigation. It includes intelligent coding assistance, on-the-fly code analysis, and project navigation features, making it a powerful tool for both new and legacy Python codebases.

What is the golden rule of three refactoring? 2) "Rule of Three" (code duplication) It states that you are allowed to copy and paste the code once, but that when the same code is replicated three times, it should be extracted into a new procedure. The rule was introduced by Martin Fowler in his text "Refactoring" and attributed to Don Roberts.

In what situation should we not refactor code? So as long as the user of the application is content with the operation of the application there is less of a need to refactor the code. If there is no reason to change the application there is no reason to refactor it. Even if your company is swimming in money and you don't have anything else to do, don't do it.

How often should code be refactored? Rule of Three. When you're doing something for the first time, just get it done. When you're doing something similar for the second time, cringe at having to repeat but do the same thing anyway. When you're doing something for the third time, start refactoring.

Is refactoring good or bad? Refactoring isn't inherently bad. It's a crucial part of keeping a codebase healthy. The problem is that bad refactoring is, well, bad. And it's surprisingly easy to fall into the trap of making things worse while trying to make them better.

What is the main principle of refactoring? Refactoring is the process of improving the structure of the software code without affecting its behaviour. The term was first introduced as 'factoring' by Leo Brodie in 1984. Rewriting code, fixing bugs or improving interface are not considered refactoring, as these alter the behaviour of the software.

How to measure code refactoring? One way to evaluate code refactoring is to use quantitative metrics that measure various aspects of code quality, such as size,

complexity, coupling, cohesion, testability, and readability.

How to practice refactoring code?

What are the problems with refactoring?

Which best describes refactoring? Refactoring is the process of changing a software system in such a way that it does not alter the external behaviour of the code yet improves the internal structure. It is a disciplined way to clean up code that minimizes the chances of introducing bugs. It improves the design of the code.

What is a code refactoring example? With example. The refactored simple loop version removes the unnecessary "else" block, avoids a potential stack overflow, and provides a clearer understanding of the logic without losing the functionality of calculating the factorial.

What are the disadvantages of refactoring? One of the main drawbacks of code refactoring is the investment of time and effort required. Refactoring involves making significant changes to existing code, which can be a time-consuming process.

What attributes does refactoring improve? Refactoring is one of the most widely used techniques in practice to improve the quality of software, such as maintainability, testability, and understandability.

When should I start refactoring? The best time for refactoring is before adding new features or updates to existing code. Doing so can help improve the product's quality. Cleaning the code base before adding new features or updates, it helps to make the product more robust and easier to use in the future.

Why are developers reluctant to perform refactoring? Why are developers scared to refactor code? Simple: they don't have good unit tests, and the code isn't properly modularized, so they don't know what will break if they refactor.

Which of these situations can be addressed through refactoring? In this case, if the code is already functioning as desired and passing all unit tests but you need to improve its performance, you can perform refactoring to optimize the code without changing its functionality.

How to pass the K53 learners test? What Marks Do You Need To Pass? 77% - ROAD SIGNS, SIGNALS & MARKINGS: You will need to get 23 of the 30 questions correct in order to pass. 75% - CONTROLS OF THE VEHICLE: You will need to get 6 of the 8 questions correct in order to pass. Remember: over 50% of applicants fail their K53 learners test on the first try.

How many questions are in the learners test in South Africa? Learner's Licence Study Material From a test bank with more than 1200 questions, you will randomly receive 30 questions on rules of the road, 30 questions on road traffic signs (signs, signals & markings) and 8 questions on vehicle controls.

What is the best app for the K53 learners test? K53 Tests is the most popular FREE Learner's license app in South Africa, Thousands have tried it and thousands have passed. K53 Tests app helps you prepare for the K53 Learner's License test and pass it, the first time.

Which K53 is the best? The Official K53 Learner's and Driver's Made Easy This best-seller provides novice drivers with a thorough grounding in everything you need to know to prepare for your learner's licence and K53 driving tests.

Is South African learners test hard? The test is not impossible, the questions have been set up in such a manner that it requires fine reading and quick thinking to get the right answer. Passing this test is being able to see the difference between "can" and "can't" the difference between "left" and "right" and no "C" will not always be the answer.

Why is it called K53? K53 is the term for the current driver licence test. The number given to the test was based on proposals submitted in the 1980's and then the reworked versions were upgraded numerically. Test number K53 was finally accepted as the way to test aspirant drivers.

How many people fail their driving test in South Africa? Cape Town - More than 60% of all South Africans who applied for driver's licences in the past two years failed the test.

How many points to pass a driving test in South Africa? You will pass if you do not exceed the maximum number of penalty points. The maximum number of penalty

points for the yard test is 50. The maximum number of penalty points for the Road Test depends on the duration of the road test – the longer the road test, the higher the maximum number of penalty points.

What is learners code 10? Code 10 and drivers licence C1 is the same licence and allows you to operate any vehicle of less than 16 000 kg and a trailer of less than 750 kg A learner's license is required to take the test.

Can I download the K53 book? AutoTrader's free K53 manual is available to download and boasts a separate learner's manual, car driver's manual and a motorcycle manual.

What is the K53 app for Iphone? The K53 Test App helps you pass your learner's licence the first time. The app includes 255 multiple-choice questions based on those asked in the official learner's test that you will take at the traffic department.

What is the app for test routes? Driving Test Routes App has been designed to help all learner drivers pass their driving test. Our app has been developed using local fully qualified driver instructors' knowledge and feedback from learner drivers has been implemented to provide simple user-friendly up-to-date navigation.

How do I definitely pass my driving test?

How many points to pass a driving test in South Africa? You will pass if you do not exceed the maximum number of penalty points. The maximum number of penalty points for the yard test is 50. The maximum number of penalty points for the Road Test depends on the duration of the road test – the longer the road test, the higher the maximum number of penalty points.

Can I download the K53 book? AutoTrader's free K53 manual is available to download and boasts a separate learner's manual, car driver's manual and a motorcycle manual.

What is the penalty for driving alone with a learners permit in South Africa? A person who holds a learner's licence and drives unaccompanied is subject to a fine of R1250 (and 4 demerit points) under AARTO, however there is a twist to this story.

The Individual Psychology of Alfred Adler: A Systematic Presentation

Alfred Adler's pioneering work challenged Sigmund Freud's psychoanalytic theories and laid the groundwork for modern humanistic psychology. His "Individual Psychology" emphasized the influence of social factors, the striving for superiority, and the importance of the individual's subjective perception of the world.

1. What is Individual Psychology?

Individual Psychology views humans as unique individuals who are shaped by their environment and experiences. Adler believed that all individuals have a fundamental striving for superiority, or "will to power." This striving motivates behavior and drives personality development.

2. The Influence of Social Factors

Adler placed great importance on social context. He rejected Freud's focus on sexual instincts and argued that individuals are influenced by their family, culture, and social interactions. Adler's concept of "social interest" suggests that healthy individuals develop a sense of empathy and responsibility towards others.

3. The Subjective Perception of the World

Adler emphasized the individual's subjective perception of reality. He believed that people's thoughts, feelings, and behaviors are influenced by their beliefs and interpretations of their experiences. This subjective perspective shapes their interactions with the world.

4. The Striving for Superiority

Adler's theory of "compensatory striving" explains how individuals overcome feelings of inferiority and strive to achieve superiority. This striving can manifest in both healthy and unhealthy forms. Healthy superiority involves striving for personal growth and self-improvement, while unhealthy superiority may lead to arrogance or aggression.

5. The Importance of Early Childhood Experiences

Adler believed that early childhood experiences have a profound impact on personality development. He identified several "life styles" or patterns of behavior

that develop in response to these experiences. These life styles include: aggressive, dependent, submissive, and withdrawing.

In conclusion, Alfred Adler's Individual Psychology offers a comprehensive and holistic understanding of human behavior. By emphasizing the importance of social factors, subjective perception, the striving for superiority, and early childhood experiences, Adler's theory continues to influence modern psychology and psychotherapy.

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