

Lehr-Lernszenarien zur Nutzung digitaler Medien im Unterricht

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Orientierungsrahmen für Lehr-Lernszenarien

- **situier**t
- Lernen als aktive Konstruktion und Kommunikation von Wissen
- Unterrichten als Unterstützen, Anregen, Beraten
- Fokus: Aushandeln von Bedeutung authentischer Probleme durch Kommunikation und Kooperation
- Medien werden von den Lernenden konstruiert und erzeugt
- **gegenstands**zentriert
- Lernen als Rezipieren vorstrukturierter Wissens
- Lehren als Anleiten, Darbieten, Erklären
- Fokus: Planung, Organisation und Steuerung des Unterrichts, damit die Lernenden die Lernziele erreichen
- vorgegebene Medien werden von den Lernenden bearbeitet

Werkzeuge zur Erstellung und Nutzung digitaler Medien



- universelle Werkzeuge, nicht nur fachspezifisch einsetzbar
- geben Raum für didaktische Entscheidungen
- ihre Nutzung ist leicht erlernbar
- Wenig Anforderungen an die technische Ausstattung
- erleichtern Inhalte zu
 - ▶ bearbeiten
 - ▶ erarbeiten
 - ▶ kritisch sichten
 - ▶ strukturieren
 - ▶ evaluieren
 - ▶ präsentieren
 - ▶ dokumentieren
- <http://studierplatz2000.tu-dresden.de>
 - ▶ TEE
 - ▶ Study2000
 - ▶ EF-Editor

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Projekthalt und Projektziel „A web-based tourist guide for London“



- Lernziele
 - ▶ Media literacy
 - ▶ Kooperation und Selbstregulation
 - ▶ Fremdsprachenerwerb
- Ablauf
 - ▶ 5 Unterrichtseinheiten a 90 Minuten während 3 Wochen
 - ▶ Unit 1: Ziel, Zeitplan, Werkzeuggebrauch, Vorbereitung der Gruppen und der Gruppenarbeit
 - ▶ Unit 2: Konstruktion prototypischer Medien in Kleingruppen unter Nutzung von Quellen, Reflektion des Ergebnisses
 - ▶ Unit 3: Präsentation und Diskussion des Prototypen in der Klasse, Überarbeitung des Prototypen
 - ▶ Unit 4: Vorbereitung der Präsentation der endgültigen Version
 - ▶ Unit 5: Abschlusspräsentation des „tourist guide“, Indiv. Bearbeitung des Superquiz
- Akteure
 - ▶ 25 SchülerInnen einer 7. Klasse Gymnasium
 - ▶ Durchführung im Rahmen der 2. Staatsexamensarbeit, Sonja Hanemann

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TEE - The Electronic Exercise: Bedienoberfläche

The screenshot displays the TEE web interface. On the left, there's a map of London with a yellow path. In the center, a penguin character (Leo) introduces the tour. On the right, a quiz asks about the best route from Canada Water Station to Leicester Square Station. Below the penguin, there's a 'Start the Tour' button and a 'Take the Quiz' button. The interface is titled 'The Electronic Exercise - Kapitel London - Microsoft Internet Explorer'.

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Arbeitsschritte zur Erstellung einer Lernumgebung

The screenshot shows a file explorer window with a folder named 'TEE-Maschine (Londonights)'. Below it, a table lists the workflow steps. An arrow labeled 'enter & organize htm-files' points to the table, and another arrow labeled 'compile with TEE-maschine' points from the table to a web browser window showing a diagram of the learning environment.

Titel	Diagramm	Name	Kommentar	(x,y)	Vorgänger	Aufgaben
# Erstellen		Welcome to virtual London	Welcome to virtual London	(146, 226)	Meet your guides	Test(C:\qboard)
		How to make a guided tour	Guided Tour			
		Your job	Your Job			
		Meet your guides	Guides			
		How to find images on the internet	Images			
		How to form the passive	Passive			
		Useful words and phrases	Words & Phrases			
		Sights	Sights			
		your tours	Topics			
		The London Underground	Tube			
		TubeMap	Tube Map			
		How to read texts efficiently	Reading			
		# Autoren				
		# Links				

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Instruktion und Quellen

Your job as a guide

Work in **groups of 4 (+ one group of 5)**. Every group chooses one of the topics below and goes to the links provided there. Your group **plans a tour** and **writes a text** about the most interesting and most important information that you want to tell your classmates. And you **describe the way** that you want to go and **how you can get there by underground**. Don't forget that this is a virtual tour and that you need a lot of **pictures** to show to your classmates. And, because we want to see in the end who will be the best London tourist, you have to prepare some **quiz questions** (2 per topic) on your tour. Can you show us that you are the best guide? Let's see the **presentation** of your tour at the end of the project.

1. Choose one of the topics

2. Before you start working r...

3. Write your text as a Word...
Save your document under...

Are any of the words on this page...
dictionary: <http://dict.fsa.org/>

Topics for your tours:

- General information about London (4 points)**
 - Find general information about London which is important to know for tourists (for example: number of people living in London, weather, number of tourists, etc.)
 - Find some information about the history of London.
 - <http://www.london-tourist-information.com/en/uk/>
 - <http://en.wikipedia.org/wiki/London> Read the following parts: 1. Introduction, 2. Geography and climate, 3. History, 6. Demographics
 - <http://www.infancia.com/els/ciutat/1046/570496/segurem/London.htm>
- London transport (4 points)**
 - Find some information about the most important airports and train stations
 - What kind of sightseeing tours can you do by bus or by Thames River boat?
 - http://en.wikipedia.org/wiki/London_Transport_and_Infrastructure
 - <http://www.tfl.gov.uk/tfl/>
 - <http://www.thamesriver.com/home/>
 - <http://www.london-tourist-information.com/transport/>
 - <http://www.visitlondon.com/transport/boats/2/attractions/5002/London%20River%20Boats.htm>
- Sights (4 points)**
 - Choose from the following sights and find some information about their history, opening hours and interesting things to tell.
 - Buckingham Palace + Changing of the Guards
 - http://en.wikipedia.org/wiki/Buckingham_Palace
 - <http://www.royal.gov.uk/about/page55.asp>
 - Westminster Abbey
 - http://en.wikipedia.org/wiki/Westminster_Abbey
 - House of Parliament + Big Ben
 - http://en.wikipedia.org/wiki/Palace_of_Westminster
 - <http://www.london-tourist-information.com/housesofparliament.htm>

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Instruktion und Lernaufgabe

How to form the passive

You will see that the passive voice is often used in the texts about the history of famous sights of London. When you prepare your guided tours, you also have to use the passive voice to talk about when a building was built, when it was opened to public, and so on. You have already learned how to form and use the passive. Here are the **most important rules** again.

- The passive is formed with a **form of be + past participle**.
- The passive is used to say **what is done to people or things**. Often we don't say who does the action.
- In a passive sentence, **'by'** is used when we want to say who does the action.

Do the exercise if you think that you still have problems with the new forms. Continue preparing your tour. exercises.

Passive Exercise: London Sights

Complete the following information about some of London's sights and history. Use the notes in brackets.

Passive Great Fire Globe Theatre St. Paul's Cathedral Millennium Bridge Madame Tussaud Wedding Tower Bridge

Complete the following information:

Today, 1,500 visitors can see a theatre performance in Shakespeare's Globe Theatre. (The play 'The Storm' - show - this summer)

Confirm Solution Cancel

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Ergebnis der Unterrichtseinheit

Globe Theatre
Shakespeare's Globe Theatre
The original Globe Theatre was built in 1599. It was designed by Richard and Christopher Swanburgh. It burnt to the ground in 1613. Shakespearean troupes and wrote many of his greatest plays there.
The modern Globe Theatre
It is a perfect reconstruction of the original playhouse.
The original plan was modified for modern systems (fire-safety improvements).
It was opened in 1997. The seasons run from May to September.
The 2003 theatre seasons will run from 6th May to 2nd October. The plays will be "The Tempest", "The Taming of the Shrew", "The Winter's Tale" by William Shakespeare, "The Storm" and "The Pericles Prince of Tyre".
You can go to the theatre by foot, car, taxi, by train, by tube (London Bridge Station) or by boat (nearest stop is Bankside Pier).

London Eye
The London Eye is sometimes called the "Millennium Wheel". It's the best millennium project in the capital.
The wheel is 135 metres high. It takes you half an hour to get around one time. 25 people can get inside one capsule.
If there aren't any clouds you have got a view of 40 kilometres.
You better reserve a ticket for a ride in a capsule, otherwise you have to wait for 30 minutes.
The Eye was opened by the British Prime Minister Tony Blair on December 31, 1999.
You should visit this sight because you will get a fantastic view all over London.
Tube Station: Waterloo or Westminster Station

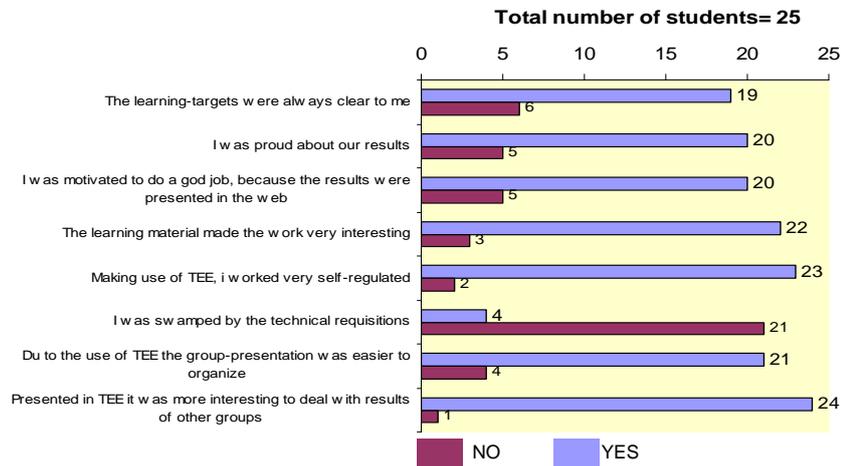
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Evaluation aus Sicht der Lehrerin

- **Vorbereitung des Projekts**
 - ▶ **Der Einsatz digitaler Medien und entsprechender Werkzeuge...**
 - ◆ erzwingt eine klare Lernzieldefinition und Unterrichtsvorbereitung
 - ◆ erleichtert die Visualisierung verschiedener Inhalte
 - ◆ ermöglicht die Integration unterschiedlicher Medien
- **Umsetzung**
 - ▶ **Der Einsatz digitaler Medien und entsprechender Werkzeuge...**
 - ◆ fördert selbstreguliertes Lernen und Lernmotivation
 - ◆ ermöglicht den SchülerInnen den Vergleich ihrer Ergebnisse
 - ◆ schuf mir Zeit für die individuelle Schülerbetreuung
 - ◆ verlangte mir viel Zeit für die Dokumentation der Schülerleistungen ab
- **Bewertung des Ergebnisses**
 - ◆ Das erarbeitete Material kann in anderen Klassen sehr gut nachgenutzt werden
 - ◆ Die Bewertung der Schülerbeiträge ist schwierig
 - ◆ Das Werkzeug ist leicht handhabbar

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Evaluation aus Sicht der SchülerInnen



- Narciss, S. & Koerndle, H. (2008) Creating a web based tourist guide for London with multimedia tools – Distributed cognition in foreign language learning. Journal of Research in Technology and Education.
- <http://london-mcg-dresden.de>
- <http://home.tiscali.de/tokaryk>
- <http://linus.psych.tu-dresden.de/toolkit/>
- Lehrerfortbildung des Bildungsinstituts

Vielen Dank für Ihre Aufmerksamkeit!