**CLIL Lesson Plan Template**

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| **Content area** | **Grade** | **Teacher** | |
| *IC T* | Vocational  School | Johannnes Vogel, Daniel Garavaldi | |
| **Prior knowledge** | | | |
| * Usage of websites (i.e. webshops, webbased booking-systems) in the everyday life on desktop or smartphones * Usage of filesharing / network printer * Knowledge about the concept of a ‘protocol’ | | | |
| **Materials and resources** | | | |
| * Diagram * Demonstration * Gap fills * Lyric | | | |
| **Anticipated problems & possible solutions** | | | |
| * S has no installed git command -> S can download as zip-File * S has forgotten his notebook 🡪 S should work with his partner or borrow a notebook from ICT-Service * S cannot recall the terms protocol 🡪 only when working with Mediamatician | | | |
| **Lesson objectives** | **Content** | After the lesson, the students can…   1. Recognize client/server communication in daily situations. 2. Label all relevant parts of a client/server communication with the correct terms. 3. How to explore further header parameters by themselves. 4. How to fill out a text with gaps in more humorous context. | |
| **Language** | After the lesson, the students will be able to…   1. Distinguish the terms related to the subject. 2. Apply/use correctly the terms in a typical daily situation.   Terms: Client, Server, Request, Response, HTTP (Hypertext Transfer Protocol), Header | |
| **Procedure** | After the lesson, the students will be able to…   1. Activating prior knowledge with starting question, about possible experience of client/server situation daily? Method: Think-Pair-Share (DG) 2. Collect students input when sharing on a board. 3. What happened: -> draw diagram on board (abstraction by diagram) 4. Live-Demonstration on a small website (i.e. with <http://ict.bzzlab.ch> -> Network tab, Input of teacher) 5. Exercise with URL <https://jvogel.ch/> exploring headers (Request, Response) and pick parameter i.e.   Request-header: user agent, accept-language.  Response–header: Server General: Status-Code   1. Diagram with gap fills and discussion/results. 2. Song for concluding session | |
| **Lesson theme** | | | |
| Client/Server Model and its communication | | | |
| **Lesson stage** | **T’s actions** | | **Ss’ actions** |
| Scaffolding (incl. language, content and procedural support) | Hand out the sheet for prior knowledge activation:  What did I already know?  What would I like to ask?  What have I learned?  (2 minutes) | | S fetch (git pull) all documents for the lesson  Student/ |
| Introduction/ warmer/ checking prior knowledge | Where do you possibly experience a client/server situation daily?  I: First 2 columns should  Think it and write it down for 2-3 minutes and share it with your partner (5 minutes) | | S work in pair, write down their experienced situations |
| Collecting results, check prior knowledge | 1. Let’s collect your results: What did you achieve with your partner? Collect results of students (5 minutes) 2. What did you learn? Possible solutions? (5 minutes) | | S complete the sheet with the discussed results and with the 3rd column. |
| Input | 1. Show and explain C/S communication with the diagram? 2. Write diagram down on a sheet of paper. 3. Ask back if there are any questions?   (10 Minutes) | | S draw the diagram while listening to the T’s explanations. |
| Demonstration | 1. Demonstrate how to visualize the C/S communication and explore the essential HTTP-Parameters BY using your own browser? 2. Demonstration is shown with Google Chrome. By using a different browser, the procedure and steps may vary. 3. Students are allowed to take notes. Important is to memorize the steps to the final stage.   (10 Minutes) | | S pay attention to the demo and write down some notes. |
| Practical exercise | Hands-on exercise/lab   1. Point to the existing manual to reproduce the demo. 2. Follow the instructions in the exercise.   20-30 minutes  Discuss results of the hands-on exercise/lab  10-20 minutes | | Open 02\_Ex\_explore\_CS-communication.docx, 03\_manual-demo.docx |
| Lesson summary 1 | Point to the existing exercise and let S work (1 minute)  Discuss results. (1 minute) | | 04\_Ex\_CS-com-gapfills.pdf  Open and fill in the gaps |

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| Lesson summary 2 | 1. Point to the existing exercise and let S work (5 minute) 2. Discuss results (2 minutes) | 05\_Ex\_lyric-gapfills.pdf Open and fill in the gaps |