



# AUSTRALIAN CURRICULUM: GERMAN CLIL UNIT PLANNER

**SEQUENCE: F-10**

**YEAR LEVEL/BAND: 9-10**

**UNIT: JUNIOR UNIVERSITÄT**

**LECTURE: ASTRONAUTENFRAGEN**

*This Unit Planner developed by, and kindly shared by former [AFMLTA](#) President, Kylie Farmer, has been adopted by the Goethe-Institut in Australia.*

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**Please note**

These resources are designed to be implemented optimally with a focus on the content knowledge as well as language. CLIL is flexible; however, to enable the learning of new content and/or skills through the Target Language some code switching between the students’ first language and the target language might be required. Assessment may be in the form of observation, conversation or a product.

**Focus Questions:** How do astronauts live, exercise, breathe and sleep on the space station? What is everyday life like on the space station?

**Concepts:** parabolic flights, weightlessness, zero gravity, everyday life

| Communication  | Content  |
|--|--|
| <p><b>Communicating - Socialising</b><br/> <a href="#">(ACLGEC171)</a> interactions - formal, informal, past, future, opinions, advice</p> <p><b>Communicating - Informing</b><br/> <a href="#">(ACLGEC175)</a> convey ideas, information and views- Presenting, representing, reporting</p> <p><b>Understanding - Systems of Language</b><br/> <a href="#">(ACLGEU182)</a> Features of spoken and written language - pronunciation , stress, contractions</p> | <p><b>Learning Areas</b></p> <ul style="list-style-type: none"> <li>● <b>Mathematics:</b> How does a rocket fly? e.g trajectory of a rocket, hydrogen and oxygen and properties <a href="#">(ACSSU179)</a>, Explore space through Maths- Simulating weightlessness: <a href="https://www.nasa.gov/pdf/740531main_Precal-ST_Nspire_SimWt.pdf">https://www.nasa.gov/pdf/740531main_Precal-ST_Nspire_SimWt.pdf</a>. How is the angle of a parabolic flight calculated? <a href="#">(ACMMG244)</a></li> <li>● <b>Science:</b> Find out more about life on the International Space Station (ISS). <a href="#">(ACSHE158)</a>, how does zero gravity work? What effect does it have on people and objects? <a href="#">(ACSI170)</a></li> <li>● <b>History:</b> Find out about the history of space travel in Europe from 1961-2014. <a href="#">(ACHHS168)</a></li> <li>● <b>Civics and Citizenship:</b> What intergalactic rules and regulations already exist for the ISS? <a href="#">(ACHCS085)</a></li> <li>● <b>Economics and Business:</b> Who owns space? <a href="#">(ACHEK039)</a></li> <li>● <b>Health and PE:</b> What are the health risks of parabolic space flight and weightlessness? <a href="#">(ACPPS098)</a> How can astronauts exercise in space?</li> </ul> |
| <p style="text-align: center;"><b>Cognition</b></p>  | <p><b>General Capabilities</b></p> <ul style="list-style-type: none"> <li>● <b>Literacy:</b> What are the language features of an interview and a forum post?</li> <li>● <b>Personal and Social Capability:</b> Would you like to be an astronaut one day? Why/ Why not? How would you feel?</li> <li>● <b>Ethical Understanding:</b> What are the ethics of space travel- cost/ benefit?</li> <li>● <b>Intercultural Understanding:</b> How important is space travel and exploration in different cultures? In what way is it attached to national pride?</li> </ul>   |
| <p><b>Communicating - Reflecting</b><br/> <a href="#">(ACLGEC180)</a> make choices- assumptions, questions, modifying behaviour, responsibility</p> <p><b>Understanding - Language Variation and Change</b><br/> <a href="#">(ACLGEU185)</a> how and why language used differently - dialects, register, changes in context</p> <p style="text-align: center;"><b>Culture</b></p>  | <p><b>Cross-Curriculum Priorities</b></p> <ul style="list-style-type: none"> <li>● <b>Sustainability</b><br/> <a href="#">(OL7)</a>- What advantages and disadvantages does space travel have on the environment? e.g. space junk and pollution in space, terraforming (changing Mars to make it habitable), should we or shouldn't we preserve pristine space environments?</li> </ul>  |
| <p><b>Communicating- Informing</b><br/> <a href="#">(ACLGEC174)</a> Context and culture affect information - perspectives, researching, synthesising, evaluating, representing</p> <p><b>Understanding- Role of Language and Culture</b><br/> <a href="#">(ACLGEU187)</a> language and culture interrelated</p>  |  |

**Aspects of the 9-10 Band Achievement Standard being addressed through this Lecture:** Suggested aspects of the Achievement Standard for the proposed Assessment Tasks are noted numerically on the following page next to each task. A full listing of all aspects of the Achievement Standard is to be found on the final page, noting that the numbering system is not from ACARA, but rather developed for the purpose of presenting this series of Unit Planners.

|                       | Student Tasks  | Language Assessment Tasks   | Materials and Resources                          |   |
|-----------------------|--|---|--|---|
| <b>Implementation</b> | <p><b>Facilitating Communication-</b> of, for, through learning</p> <ul style="list-style-type: none"> <li>Understand quiz questions about astronauts.</li> <li>Describe everyday situations of an astronaut.</li> <li>Assign questions and answers on the subject of everyday astronauts.</li> <li>Ask personal questions.</li> <li>Develop and name a lesson topic through visual representations.</li> <li>Talk about the effects of zero gravity on an astronaut's everyday life and present them in writing.</li> <li>Complete a fill-the-gap text on the topic of 'weightlessness'.</li> <li>Talk about parabolic flights.</li> <li>Express an opinion on parabolic flights.</li> </ul> <p><b>Analysing Key Content</b><br/>Understand the applied content of a technical video.</p> <ul style="list-style-type: none"> <li>What effects weightlessness can have on everyday life.</li> <li>What effects gravity has on people.</li> <li>That astronauts need to prepare for these effects.</li> </ul> <p><b>Opportunities for Cognition</b></p> <ul style="list-style-type: none"> <li>Ask and answer questions about life as an astronaut.</li> <li>Describe the stations of a parabolic flight.</li> <li>Show the effects of weightlessness.</li> <li>Understand the text type of an interview and a forum post.</li> <li>Understand systems of language e.g. grammatical aspects: tenses, word order, case system.</li> <li>Reflect on their learning.</li> </ul> <p><b>Connecting with Culture</b><br/>Understand elements of culture relating to the lecture.</p> <ul style="list-style-type: none"> <li>How important is space travel and exploration in different cultures? In what way is it attached to national pride?</li> </ul> | <p><b>Formative: Lesen/Zuordnen/Schreiben</b><br/>A1/A2: AB 1.1 Kleines Quiz für Weltraumfahrer<br/>A2/B1: AB 1.2 Raumfahrerquiz</p>  | 6, 7   | <p><b>Resources:</b></p> <ul style="list-style-type: none"> <li>Students logged in to the Junioruni website to access the exercises or print a copy of the exercises to complete before/during and after watching the video as a class.</li> <li>Access to digital or hardcopy dictionaries is ideal for some activities</li> </ul> <p><b>Additional Teacher Resources:</b></p> <p>Handbook, attachments and video script are available for pdf download from the teacher's version of the website.</p> <p><b>Materials for download:</b></p> <ul style="list-style-type: none"> <li>Hautnah dabei: Parabelflug (Länge 2:15)</li> <li>Planet wissen: <a href="https://www.planet-wissen.de/natur/weltall/schwerelosigkeit/pwieparabelflug100.html">https://www.planet-wissen.de/natur/weltall/schwerelosigkeit/pwieparabelflug100.html</a></li> </ul> |
|                       |  | <p><b>Formative: Lesen/ Zuordnen/Schreiben</b><br/>A1/A2: AB 1.2 Alexander Gerst, Astronaut auf der ISS<br/>A2/B1: AB 1.1 Alexander Gerst, ein deutscher Astronaut auf der ISS</p>  | 6, 7, 8, 12                                      |   |
|                       |  | <p><b>Formative: Lesen/ Schreiben/ Zuhören</b><br/>A1/A2: AB 1.3 Fragen an Alexander Gerst<br/>A2/B1: AB 1.3 Fragen an Alexander Gerst</p>  | 6, 7, 8, 12<br>1, 2, 6, 7, 8, 12                 |   |
|                       |  | <p><b>Formative: Lesen/Schreiben/ Sprechen</b><br/>A1/A2: AB 1.4 Sechs persönliche Fragen an Alexander Gerst<br/>A2/B1: AB 1.4 Alexander Gerst und seine Missionen</p>  | 6, 7, 8, 12<br>1, 2, 6, 7, 8, 12                 |   |
|                       |  | <p><b>Formative: Lesen/Zuordnen/Schreiben</b><br/>A1/A2: AB 1.5 Weltraum-Mission 2035<br/>A2/B1: AB 1.5 Abenteuer Schwerelosigkeit – Der Parabelflug</p>  | 1, 2, 3, 6, 7, 8, 12<br>1, 2, 4, 6, 7, 8, 11, 12 |   |
|                       |  | <p><b>Summative: Schreiben/Sprechen</b></p> <p>Ein Podcast interview: Plan a podcast interview with a partner where one person plays the role of the astronaut and the other person is the interviewer. Ask and answer questions similar to those in the above activities.</p>  | 1, 2, 3, 5, 6, 7, 12                             |   |
|                       |  | <p><b>Inquiry Based:</b><br/>Students select an area of interest around the concept of <i>Astronautenfragen</i> (see Content Focus above for further ideas) and present their findings to the class, year level, school community or wider audience.</p> <p>Hands-on Tasks:<br/>Astronaut training: Test Yourself<br/><a href="https://www.vice.com/en/article/vvvp58/even-astronauts-hearts-need-to-have-the-right-stuff">https://www.vice.com/en/article/vvvp58/even-astronauts-hearts-need-to-have-the-right-stuff</a></p> <p>Try out some zero gravity experiments-<br/><a href="https://www.stevespanglerscience.com/lab/experiments/anti-gravity-water/">https://www.stevespanglerscience.com/lab/experiments/anti-gravity-water/</a></p> | 1, 3, 4, 5, 7, 9, 10, 12, 15, 16, 17, 18         |   |

| Lecture:<br><b>Astronautenfragen</b><br><b>Observational Assessment</b>   | Achievement Standard          | How I see myself:      |                         |                               | How my teacher sees me:  |                           |                                 |
|---|-------------------------------|------------------------|-------------------------|-------------------------------|--------------------------|---------------------------|---------------------------------|
|   |                               | I know this in German. | I know this in English. | I still need to work on this. | You know this in German. | You know this in English. | You still need to work on this. |
| I can...  | <b>1, 2, 5</b>                |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>engage and sustain interactions with peers in class, group and paired activities</li> </ul>                    |                               |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>understand what is being said in German on the video.</li> </ul>   | <b>6, 7, 8, 11</b>            |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>understand quiz questions about astronauts.</li> </ul>   | <b>6, 7</b>                   |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>describe everyday situations of an astronaut.</li> </ul>   | <b>1, 2, 6, 7</b>             |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>assign questions and answers on the subject of everyday astronauts, including personal questions.</li> </ul>   | <b>1, 2, 6, 7, 8, 12</b>      |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>develop and name a lesson topic through visual representations.</li> </ul>                                     | <b>6, 7</b>                   |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>talk about the effects of zero gravity on an astronaut's everyday life and present them in writing.</li> </ul> | <b>1, 2, 6, 7</b>             |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>complete a fill-the-gap text on the topic of 'weightlessness'.</li> </ul>                                      | <b>6, 7</b>                   |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>talk about and express an opinion on parabolic flights.</li> </ul>   | <b>1, 2, 4, 5, 6, 13</b>      |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>ask and answer questions about life as an astronaut.</li> </ul>  | <b>1, 2, 5, 6, 7, 8, 12</b>   |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>describe the stations of a parabolic flight.</li> </ul>  | <b>6, 7</b>                   |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>show the effects of weightlessness.</li> </ul>   | <b>6, 7</b>                   |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>understand the text type of an interview and a forum post.</li> </ul>  | <b>16, 17</b>                 |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>understand systems of language e.g. grammatical aspects: tenses, word order, case system.</li> </ul>           | <b>4, 11, 15</b>              |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>reflect on my learning.</li> </ul>   | <b>13, 18</b>                 |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>understand elements of culture relating to the lecture.</li> </ul>   | <b>13, 14, 17, 18</b>         |                        |                         |                               |                          |                           |                                 |
| <ul style="list-style-type: none"> <li>understand the applied content of a technical video.</li> </ul>  | <b>(ACSHE158), (ACMMG244)</b> |                        |                         |                               |                          |                           |                                 |

### Overall Assessment

| <b>Well Above Standard</b><br><b>A</b>  | <b>Above Standard</b><br><b>B</b>  | <b>At Standard</b><br><b>C</b>  | <b>Below Standard</b><br><b>D</b>   | <b>Well Below Standard</b><br><b>E</b>   |
|---|--|---|---|--|
| The student can complete all of the challenges above in German with minimal English to help explain content, displaying excellent cognitive, communicative and creative skills. | The student can complete all of the challenges above in German with some English to help explain content, displaying above average cognitive, communicative and creative skills. | The student can complete most of the challenges above in English with some German words and phrases, displaying sound cognitive, communicative and creative skills. | The student can complete some of the challenges above in English with some German words and phrases, displaying sound cognitive, communicative and creative skills. | The student can complete little or none of the challenges above in English, displaying limited cognitive, communicative and creative skills. |

## **Australian Curriculum: German 9-10 Band Achievement Standard (F-10 Sequence)**

1. Students use written and spoken German to initiate and sustain interactions with teachers, peers and others in a range of settings and for a range of purposes.
2. Students use language spontaneously in the classroom environment to seek clarification and advice, assist others, initiate conversations and discussions, debate a course of action, share learning strategies and comment on the contribution of others.
3. Students describe plans and aspirations using future tense.
4. Students state facts and relate experiences, using past tense forms and regular and irregular verbs.
5. When speaking, students use appropriate pronunciation, intonation and stress in a range of sentence types, including variations such as contractions.
6. Students locate, synthesise and evaluate information on local and global issues from a range of perspectives and sources.
7. Students present ideas, information and views in a range of texts selected to suit audience, purpose and context.
8. Students analyse the main ideas and themes in imaginative texts and use evidence to support their views.
9. Students plan, draft and present imaginative texts using literary devices (imagery, similes, onomatopoeia) to engage a range of audiences.
10. When creating informative, persuasive and imaginative texts, students use a variety of conjunctions, relative clauses and other cohesive devices to build cohesion,
11. Students specify and describe people, places and objects by applying knowledge of the case system to articles, common demonstratives and possessives followed by adjectives.
12. Students interpret and/or translate excerpts from German texts, identifying and explaining culture-specific aspects, and create texts that reflect and explain aspects of culture and language for different German-speaking and Australian audiences.
13. Students identify and challenge their own assumptions and take responsibility for modifying language and behaviours in relation to different cultural perspectives.
14. Students identify ways that language influences people's actions, values and beliefs, and appreciate the scale and importance of linguistic diversity.
15. Students explain the roles of different German cases (nominative, accusative, dative and genitive) and tenses, and variations in spoken and written German in relation to pronunciation, spelling and punctuation.
16. Students explain the relationship between text type, audience and purpose.
17. Students identify the role culture plays in the creation and interpretation of texts, and explain how language and text features (layout, structure and formal/informal register) are used differently in a range of texts.
18. Students explain ways in which language and culture are interrelated and influence each other.