

## Unterrichtskonzept in vier Phasen

**Titel: "Climate-Smart (friendly) farming"**

**Name Grenzenlos-Referent(in): Projektwoche Zum Thema Wasser.**

**Termin: 18.-19. November 2022**

**Bezug zu SDG: #6, #12, #14**

**Schule: Qualifikationsseminar II**

**Unterrichtsfach/Berufliches Feld: /**

| <b>Zeit</b><br>In Minuten                  | <b>Titel</b>   | <b>Methode &amp; Material</b>  | <b>Lernziel</b>   |
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| <b>Sensibilisierungsphase</b>              |  |  |   |
| 25   | Can we feed the world Growing population?  | <ul style="list-style-type: none"> <li>• Introductory Video</li> <li>• Concept of Climate Smart Agriculture</li> </ul> | Students get to know the current world situation in terms of population increase, food production deficits, climate ac  |
| 35   | Fundamental concepts of Climate Smart/Friendly Agriculture (CSA) <ol style="list-style-type: none"> <li>Farming system concept</li> <li>Climate smart concepts</li> <li>Water safety and Ocean ecology concepts</li> </ol> | Projector, laptop, screen, good internet connection to elaborate videos of CSA   | <ul style="list-style-type: none"> <li>• Implementation of farming practices with minimal without ecological impact</li> <li>• How to be climate smart in Agronomy</li> <li>• How to protect waterbodies and Ocean ecology</li> </ul> |
| <b>Informationsphase (max. 3-5 Punkte)</b> |  |  |   |
| 30   | Ocean ecology and Safety Measures for protecting water bodies and aquatic organisms  | PowerPoint illustrations and short videos  | <ul style="list-style-type: none"> <li>• Soil Management</li> <li>• Crop management</li> </ul>  |

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|  | <b>Planned assignment</b> Students will be assigned to Choose a farming system or practice on small cards discuss how their chosen practice can be climate smart | Small cards, marker, staple pins and five A1 card boards namely  | <ul style="list-style-type: none"> <li>• livestock management</li> </ul>   |
|  |  |  | <ul style="list-style-type: none"> <li>• forestry, fisheries and aquaculture</li> <li>• energy management.</li> </ul>  |
|  |  |  | <ul style="list-style-type: none"> <li>• Water management</li> </ul>   |
| <b>Handlungsoptionen</b>                               |  |  |  |
| 35   | Conclusion videos for discussion points  | Students must brainstorm upon watching two short videos to come up with measures and personal measures to be climate smart and Friendly. | <ul style="list-style-type: none"> <li>▶ Some of the most promoted CSA technologies in concern are:                         <ol style="list-style-type: none"> <li>1. Conservation Agriculture</li> <li>2. Improved crop varieties and diversity</li> <li>3. Irrigation</li> <li>4. Post-harvest management</li> <li>5. High relevance to nutrition</li> </ol> </li> </ul> |
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| <b>Auswertungs- und Reflexionsphase</b>                |  |  |  |
|  | Auswertungsbogen   | Kopien der Auswertungsbögen  |  |
|  |  |  |  |
|  |  |  |  |
| <b>Insgesamt<br/>Minuten 2<br/>Hours and<br/>5 min</b> | <b>Tipp: Die gelbe Zeile markieren und F9 drücken</b>  |  |  |