**Lesson plan**

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| Lesson title: Deforestation and sustainable/unsustainable behaviour |
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| Lesson brief description  This module is meant to help the class develop an awareness about deforestation and the consequences of unsustainable industrialization, also stimulating the students to adopt correct and positive behavior towards the natural environment that surrounds them |
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| Time (Lesson duration):  4 hour-module |
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| Methodology: ( brainstorming, class discussion, watching videos and powerpoint presentation, playing Minecraft, doing quizzes, taking notes, pair/small group work ) |
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| Materials needed:  interactive board  one computer per pair/small group of students |
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| Students’ age: 11-13 |
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| Aims/Goals or SWBATs (Students will be able to......)   * Learn about deforestation and develop an understanding of its connections to unsustainable industrialization and to the greenhouse effect * Consider how human activities affect climate change * Think of possible behaviors that can be adopted to contribute to environmental sustainability |
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| Lead-in *What’s going to happen here to introduce your students to the topic?*  Time: one hour  Introducing the topic   * Introductory brainstorming: ask your students what deforestation is, what impact they think it can have on climate change and try to sort out in a brief class discussion some ideas about positive actions individuals could take to help the environment in this sense. * Have your students watch the inspirational video trailer “The man who planted trees” (1.32): if you are short of time, this is a fast way to introduce the topic of deforestation:   <https://www.youtube.com/watch?v=Tg5bwNfmcDk>   * or use half an hour and play the full video, adding a bit of poetic touch to your lesson, for your students’ higher involvement   <https://www.youtube.com/watch?v=aY_zuNtf3_g> |
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| *What key-concepts could teachers focus on? What needs to be pre-taught?* Time \_\_\_\_\_   * provide a table explaining the main concepts of climate change, carbon footprint, non-renewable energies, deforestation.   At this stage you can also use quizzes. Here are some useful links:  carbon footprint:  <https://quizizz.com/admin/quiz/5fd002494aab70001ed139c3?source=quiz_share>  greenhouse effect and human impact:  <https://quizizz.com/admin/quiz/654476f6064f89366481ee13?source=quiz_share>   * deforestation: <https://quizizz.com/admin/quiz/5fc9699c6ac8ff001ca6e8de?source=quiz_share>   <https://quizizz.com/admin/quiz/5af390a25aea21001a849c48?source=quiz_share> |
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| *List of activities with brief description of each one and time for each one:*  LESSON 1: INTRODUCTION (1 HOUR)   * Introductory brainstorming: ask your students what deforestation is, what impact they think it can have on climate change and try to sort out in a brief class discussion some ideas about positive actions individuals could take to help the environment in this sense. (20’) * Have your students watch the inspirational video trailer “The man who planted trees” (1.32): if you are short of time, this is a fast way to introduce the topic of deforestation:   <https://www.youtube.com/watch?v=Tg5bwNfmcDk>   * or use half an hour and play the full video, adding a bit of poetic touch to your lesson, for your students’ higher involvement   <https://www.youtube.com/watch?v=aY_zuNtf3_g>  LESSON 2 (1 HOUR)   * Have your students play quizzes (see the links as suggested above) * Watch the Powerpoint provided by the Minecraft webpage at this link:   <https://education.minecraft.net/en-us/lessons/climate-futures-the-forest>  LESSON 3 PART 1 (1 HOUR)   * Have the students explore the Minecraft world “Climate Future: the forest”   <https://education.minecraft.net/en-us/lessons/climate-futures-the-forest>  This will take about an hour, but to make it more effective you should do some preparing activities. At this link you will find the webpage related to this minecraft world where the lesson plan is provided, together with a powerpoint presentation guide for the teacher and a tutorial on how to use minecraft tools such as camera and book and quill.  LESSON 4 (1 HOUR)   * Download the Climate change Well Being Guide, go through it and comment it with the students in order to inspire beneficial actions for the protection of their surrounding natural environment * Have the students create their own Guide, by working in pairs/small groups * ask the students to share their Climate change Well Being Guide with the class |
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| *What are other follow up (or homework) activities that can be included?*   * the students could create a poster or a booklet with their guides, or share their guide on the school site |
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| *What methodology / activities are used for assessment?*  active participation  evaluation of their final product: the guide  also evaluating the students’ understanding by a final quiz is a possibility |
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