**Rainforests**

**Green tasks could be completed in school or at home**

**Purple tasks demonstrate IDL**

Please note that these are **suggestions** and by no means prescriptive. Teachers are welcome to use and adapt plans and resources to suit their needs.

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| **Suggested Blocks of Learning** | **Suggested Learning Experiences** | **CfE Experiences and Outcomes** |
| [Introduction - Geography](https://drive.google.com/drive/folders/1je3Asj1owGsZZfnOJV1srZkNiByBimrq?usp=sharing) | 1.Watch [‘National Geographic - Rainforests 101’](https://www.youtube.com/watch?v=3vijLre760w&t=10s). LIT 2-04a  1a.Having viewed the [Introduction to Rainforests PPT](https://drive.google.com/file/d/1An_WNpXnkibHmB86IvTokS_1W80s7bBr/view?usp=sharing), pupils should complete the [‘locating tropical rainforests](https://drive.google.com/file/d/1aPCL5CtAj0dIZ8YnFftAhHeF0EctG1Nz/view?usp=sharing)’ worksheet.  LIT 2-04a, LIT 2-05a, LIT 2-06a, SOC 2-08a, SOC 2-12a, SOC 2-14a  2.View the [photostory](https://drive.google.com/file/d/1r3Ofjt9qQrCDwngPmLVRCFKNNsSnjhkn/view?usp=sharing) showing the complex and changing world of the rainforest. Use the [description cards](https://drive.google.com/file/d/1xzo7O1LBILJhABkq07Hu9z-gflQPwGTD/view?usp=sharing) to generate class discussion.  LIT 2-04a, LIT 2-05a, LIT 2-06a, SOC 2-08a, SOC 2-12a, SOC 2-14a  Watch BBC ‘[Seven Worlds, 1 Planet’ Series 1.3 ‘South America](https://www.bbc.co.uk/iplayer/episode/m000b9f8/seven-worlds-one-planet-series-1-3-south-america)’ Available on BBC i-player until 19th November 2020  Relevant from 16min25secs onwards.  Pupils should:  -describe the features of a rainforest.  -state the location of the Amazon rainforest  -describe the human activities that threaten the Amazon Rainforest  LIT 2-04a, LIT 2-05a, LIT 2-06a, SOC 2-08a, SOC 2-12a, SOC 2-14a  Pupils build a glossary of Rainforest terms by completing the [A-Z of the Rainforest](https://drive.google.com/file/d/1kYjV04yuIXZC_ja8yanaSeCBdkQcHWem/view?usp=sharing) Sheet. They can use the Rainforest [word search](https://drive.google.com/file/d/16hjK0OgEtm3UujNODRuTzBHkq60LGWiQ/view?usp=sharing) to help, using a dictionary to find the meaning of each word. | Listening and Talking  As I listen or watch, I can identify and discuss the purpose, main ideas and supporting detail contained within the text, and use this information for different purposes.  LIT 2-04a  As I listen or watch, I can make notes, organise these under suitable headings and use these to understand ideas and information and create new texts, using my own words as appropriate.  LIT 2-05a  I can select ideas and relevant information, organise these in an appropriate way for my purpose and use suitable vocabulary for my audience.  LIT 2-06a  Social Sciences  I can discuss the environmental impact of human activity and suggest ways in which we can live in a more environmentally responsible way.  SOC 2-08a  To extend my mental map and sense of place, I can interpret information from different types of maps and am beginning to locate key features within Scotland, UK, Europe or the wider world  SOC 2-14a |
| 3. Complete the ‘[Tropical Rainforest](https://drive.google.com/file/d/12WUqcC8R6NX4JqElisAfPti9oON8a82N/view?usp=sharing)’ fill in the blanks reading activity.  ENG 2-17a | Reading - Understanding, Analysing and Evaluating To show my understanding, I can respond to literal, inferential and evaluative questions and other close reading tasks and can create different kinds of questions of my own.  ENG 2-17a |
|  | 4. Pupils use the [Climate Data](https://drive.google.com/file/d/1XpPA_syX1dAQvlIUlECr3aSgSNmMt5W6/view?usp=sharing) information to plot a bar chart of Average monthly rainfall for Manaus compared to Rio De Janeiro.  A pre scaled graph may need to be provided to support less able children. More able children may be able to plot both sets of data (Manaus & Rio De Janeiro) on the same graph.  Extension option to research [monthly rainfall of Glasgow](https://drive.google.com/file/d/1_gPbv8ujT8xer-fcUI1gBk9cEtbeXFQU/view?usp=sharing) and plot data for comparison with Manaus  MTH2-21a, SOC 2-12a | Information Handling  I can display data in a clear way using a suitable scale, by choosing appropriately from an extended range of tables, charts, diagrams and graphs, making effective use of technology.  MTH 2-21a  People Place and Environment.  By comparing my local area with a contrasting area outwith Britain, I can investigate the main features of weather and climate, discussing the impact on living things  SOC 2-12a |
|  | 5.Pupils can make their own [rainforest in a bottle](https://drive.google.com/file/d/1ygArXuVeIrrDfq2T7YL7jH5sMXHeDwaB/view?usp=sharing). They can observe changes and record observations of the water cycle over the course of their topic.  SCN 2-05a | Science  I can apply my knowledge of how water changes state to help me understand the processes involved in the water cycle in nature over time.  SCN 2-05a |
| The Layers of the Rainforest and Animals  <https://drive.google.com/drive/u/1/folders/13CiRlBitebQQxQiWVA8X3a3-aWYc4iTc> | * Rainforest layers PowerPoint   (LIT 2-04a)   * Rainforest layers diagram to complete * Which layer sorting activity | Listening and Talking  As I listen or watch, I can identify and discuss the purpose, main ideas and supporting detail contained within the text, and use this information for different purposes.  LIT 2-04a |
|  | * Animals of the rainforest Quiz PowerPoint   Plants of the rainforest descriptions task |  |
|  | * Rainforests as habitats PowerPoint * Rainforest animal/plant fact files   (TCH 2-02a) | Technologies  I can use digital technologies to search, access and retrieve information and are aware that not all of this information will be credible.  TCH 2-02a |
|  | * Sorting which layer animals are found activity   Rainforest information cards and worksheet | Science  I can identify and classify examples of living things, past and present, to help me appreciate their diversity. I can relate physical and behavioural characteristics to their survival or extinction.  SCN 2-01a |
|  | * Build a Borneo glider activity * Make a pygmy bank | Science  By investigating how friction, including air resistance, affects motion, I can suggest ways to improve efficiency in moving objects  SCN 2-07a |
|  | * Rainforest food chains PowerPoint   Rainforest food paper chains activity | Listening and Talking  I can show my understanding of what I listen to or watch by responding to literal, inferential, evaluative and other types of questions, and by asking different kinds of questions of my own. LIT 2-07a  Science  I can use my knowledge of the interactions and energy flow between plants and animals in ecosystems, food chains and webs. I have contributed to the design or conservation of a wildlife area. SCN 2-02a |
|  | * Build a shoebox rainforest <https://www.firstpalette.com/craft/rainforest-diorama.html> or build a rainforest layered habitat <http://afaithfulattempt.blogspot.com/2017/01/science-habitat-sculptures.html?m=1>   (TCH 2-09a) | Technologies  I can extend and enhance my design skills to solve problems and can construct models. TCH 2-09a |
| Rainforest Tribes  <https://drive.google.com/open?id=1eM5AWQFFwKBeXGuZHJebjF4PIfXCsqaw> | * Rainforest Tribes comprehension – answer questions based on what you have read. (Three levels of differentiation)   (LIT 2-16a) (ENG 2-17a) | Reading  To show my understanding across different areas of learning, I can identify and consider the purpose and main ideas of a text and use supporting detail.  LIT 2-16a  To show my understanding, I can respond to literal, inferential and evaluative questions and other close reading tasks and can create different kinds of questions of my own.  ENG 2-17a |
|  | * Discuss learning from comprehension – what did you learn?   (LIT 2-04a)   * Rainforest Tribes Powerpoint – discuss   (LIT 2-04a) (LIT 2-07a)   * Rainforest Tribes – Uncontacted Tribes in the Amazon – watch video and answer questions.   (LIT 2-16a) (ENG 2-17a) | Listening and Talking  As I listen or watch, I can identify and discuss the purpose, main ideas and supporting detail contained within the text, and use this information for different purposes.  LIT 2-04a  I can show my understanding of what I listen to or watch by responding to literal, inferential, evaluative and other types of questions, and by asking different kinds of questions of my own. LIT 2-07a  Reading  To show my understanding across different areas of learning, I can identify and consider the purpose and main ideas of a text and use supporting detail.  LIT 2-16a  To show my understanding, I can respond to literal, inferential and evaluative questions and other close reading tasks and can create different kinds of questions of my own.  ENG 2-17a |
|  | * Letter from child in Awa tribe. Read the information and make a comparison to your own life.   (SOC 2-13a) (LIT 2-14a)  (2 levels of follow up task)   1. Answer the questions -   Why is the Rainforest valuable to tribes?  How do tribes impact on the Rainforest?  (ENG 2-17a)   1. “Tribal people of the rainforest lead a life that is much worse than ours. They don’t have electricity and all the goods that go with them. They don’t have cars, heated houses, Facebook, Internet, shops and banks”. To what extent do agree with this statement. (Target 100 words)   (LIT 2-18a) (LIT 2-29a) | I can explain how the physical environment influences the ways in which people use land by comparing my local area with a contrasting area. SOC 2-13a  Reading  Using what I know about the features of different types of texts, I can find, select and sort information from a variety of sources and use this for different purposes. LIT 2-14a  To show my understanding, I can respond to literal, inferential and evaluative questions and other close reading tasks and can create different kinds of questions of my own. ENG 2-17a  To help me develop an informed view, I can identify and explain the difference between fact and opinion, recognise when I am being influenced, and have assessed how useful and believable my sources are.  LIT 2-18a  Writing  I can persuade, argue, explore issues or express an opinion using relevant supporting detail and/or evidence.  LIT 2-29a |
|  | * Based on what you have learned, create a factfile on a tribe or tribes of your choice to present to the class. Your factfile can be a Powerpoint, leaflet, poster etc… Consider the layout to make your factfile eye-catching for the reader.   The CfE link will depend on what the children produce. For example -  PowerPoint = (TCH 2-01a)  Poster/leaflet = (LIT 2-24a) (LIT 2-26a) | I can extend and enhance my knowledge of digital technologies to collect, analyse ideas, relevant information and organise these in an appropriate way.  TCH 2-01a  Writing  I consider the impact that  layout and presentation will  have and can combine  lettering, graphics and other  features to engage my reader.  LIT 2-24a  By considering the type of text I am creating, I can select ideas and relevant information, organise these in an appropriate way for my purpose and use suitable vocabulary for my audience.  LIT 2-26a |
|  | * Rainforest Tribes Art – Powerpoint   (LIT 2-04a) (LIT 2-07a)   * Create piece of Art inspired by what you have learned about the tribes   (EXA 2-02a) (EXA 2-04a) | Listening and Talking  As I listen or watch, I can identify and discuss the purpose, main ideas and supporting detail contained within the text, and use this information for different purposes.  LIT 2-04a  I can show my understanding of what I listen to or watch by responding to literal, inferential, evaluative and other types of questions, and by asking different kinds of questions of my own. LIT 2-07a  Art  I have the opportunity to choose and explore an extended range of media and technologies to create images and objects, comparing and combining them for specific tasks. EXA 2-02a  Through observing and recording from my experiences across the curriculum, I can create images and objects which show my awareness and recognition of detail. EXA 2-04a |
| Deforestation, Climate Change and Affects of Man  [Teacher Information Sheet](https://drive.google.com/file/d/1PylvrzcH7nZPhkCZPHUflyJ9j8-MLGOb/view?usp=sharing) | 1a - Pupils view and respond to ‘[Forests under attack](https://drive.google.com/file/d/10-ZgbqK0iQXUun6ifd-3SlgCCinPEjNA/view?usp=sharing)’ stimulus sheet. Introduce the term ‘Deforestation’ and generate class discussion to elicit prior knowledge and/or misconceptions.  Watch - ‘[National Geographic - Deforestation 101’](https://www.youtube.com/watch?v=Ic-J6hcSKa8).  Watch BBC Teach [‘Deadly Dilemmas - Deforestation’.](https://www.youtube.com/watch?v=fLTOWKnH0sA)  Focus questions for discussion: What are the social and economic drivers of deforestation?  What are the environmental effects of deforestation?  Can pupils suggest more sustainable methods of logging and farming?  SOC 2-08a, SOC 2-08b, LIT 2-04a  1b Individually or in groups, pupils complete [‘Rainforest in trouble](https://drive.google.com/file/d/1gZLBF9zVRiMrM8Qlb0uJJwo2v-AmLaOG/view?usp=sharing)’ activity ranking 9 impacts of deforestation from *most* important to *least* important.  LIT 2-02a, LIT 2-07a, SOC 2-08a, SOC 2-08b  Read ‘[Threats to the Rainforest](https://drive.google.com/file/d/10-ZgbqK0iQXUun6ifd-3SlgCCinPEjNA/view?usp=sharing)’. Complete [multiple choice quiz](https://drive.google.com/file/d/17ndzRUxJtUiENaOdBymOWj0nGs1NycaB/view?usp=sharing) and [short answer questions](https://drive.google.com/file/d/15xlTRFhC2rG-1xkPKngjEElB3WBSGcJW/view?usp=sharing).  ENG 2-17a | Social Sciences  I can discuss the environmental impact of human activity and suggest ways in which we can live in a more environmentally responsible way.  SOC 2-08a  I can consider the advantages and disadvantages of a proposed land use development and discuss the impact this may have on the community.  SOC 2-08b  Listening and Talking  When I engage with others. I can respond in ways appropriate to my role, show that I value others’ contributions and use these to build on thinking.  LIT 2-02a  As I listen or watch, I can identify and discuss the purpose, main ideas and supporting detail contained within the text, and use this information for different purposes.  LIT 2-04a  I can show my understanding of what I listen to or watch by responding to literal, inferential, evaluative and other types of questions, and by asking different kinds of questions of my own. LIT 2-07a  Reading  To show my understanding, I can respond to literal, inferential and evaluative questions and other close reading tasks and can create different kinds of questions of my own. ENG 2-17a |
|  | 2. Pupils can complete ‘[Causes and effects of deforestation](https://drive.google.com/file/d/1Gdwu8GmqhlhvK0PajGsXA2bMdOSaoXoY/view?usp=sharing)’ comprehension activity. ENG 2-17a | Reading  To show my understanding, I can respond to literal, inferential and evaluative questions and other close reading tasks and can create different kinds of questions of my own. ENG 2-17a |
|  | 3. Possible [Experiment](https://www.youtube.com/watch?v=im4HVXMGI68). Cress plants grow quickly and could be used. | Science Inquiry Skills  All *Inquiry and Investigative Skills* can be addressed.  Skills and attributes of scientifically literate citizens  -Expresses informed views about scientific and environmental issues based on evidence. |
|  | 4. As a class, view the Powerpoint ‘[Threats to Malaysia’s Rainforests](https://drive.google.com/file/d/1XROxSTSHvpf2dA5evKsY0KbkALHW00aw/view?usp=sharing)’.  Pupils can complete associated [comprehension activity](https://drive.google.com/file/d/12UWcQvN_j3xAxA7jtoyy5zCaAQ25UEML/view?usp=sharing) in class or at home. ENG 2-17a | To show my understanding, I can respond to literal, inferential and evaluative questions and other close reading tasks and can create different kinds of questions on my own.  ENG 2-17a |
|  | 5. As a class, view and debate the ‘[rainforest solutions](https://drive.google.com/file/d/1GXBcL6N5A0KawK3F_JnwPOyp3znxu2Yk/view?usp=sharing)’ to deforestation. Pupils should consider and evaluate different viewpoints, attending to and building on the contributions of others. | Listening and Talking  When I engage with others, I can respond in ways appropriate to my role, show that I value others’ contributions and use these to build on thinking  LIT 2-02a  Reading  To show my understanding, I can respond to literal, inferential and evaluative questions and other close reading tasks and can create different kinds of questions on my own.  ENG 2-17a  People place and environmen  I can discuss the environmental impact of human activity and suggest ways in which we can live in a more environmentally responsible way.  SOC 2-08a  Skills and attributes of scientifically literate citizens  -Presents a reasoned argument based on evidence, demonstrating understanding of underlying scientific concepts, and engages with the views of others.  -Expresses informed views about scientific and environmental issues based on evidence. |
|  | 6. Pupils complete the [‘Talking Tapir’](https://drive.google.com/file/d/1Ct7L75aA9PIHc9MBGLH97G-SvzH_iHLA/view?usp=sharing) activity. They should create a text from the perspective of an organism living in the Amazon rainforest. Their text should be descriptive of the sights and sounds of the rainforest and include a message of sustainability.  LIT 2-20a, LIT 2-21a, LIT 2-22a, LIT 2-23a, LIT 2-25a, ENG 2-27a. | Writing:  I enjoy creating texts of my choice and I regularly select subject, purpose, format and resources to suit the needs of my audience.  LIT 2-20a  I can spell most of the words I need to communicate, using spelling rules, specialist vocabulary, self-correction techniques and a range of resources.  LIT 2-21a  In both short and extended texts, I can use appropriate punctuation, vary my sentence structures and divide my work into paragraphs in a way that makes sense to the reader.  LIT 2-22a  Throughout the writing process I can check that my writing makes sense and meets its purpose.  LIT 2-23a  By considering the type of text I am creating, I can select ideas and relevant information, organise these in an appropriate way for my purpose and use suitable vocabulary for my audience.  LIT 2-25a  I am learning to use language and style in a way which engages or influences my reader.  ENG 2-27a |

Rainforests Maths games - Coordinates, compass points, 24 hour time.

<https://education.abc.net.au/home#!/search/rainforest///interactive>