



CEP DE VENTIN (Year 4º A Primary)

Autumn Oak Tree Activity.

We invite **teachers** in all partner countries to undertake the following simple **PhenoloGIT** activity during the week 18-25 October 2017. Please follow the instructions and send the completed sheet back to your country's PhenoloGIT co-ordinator:

UK: Linda la Velle linda.lavelle@plymouth.ac.uk

Denmark: Pernilla Ulla Andersen pa@via.dk

Spain: Milagros Trigo mtrigo@edu.xunta.es

Lithuania: Egidijus Čeponis egidijus.ceponis@itc.smm.lt

We will collate and then share all the partner teachers' ideas for trial with your classes across Europe and invite the children to collaborate with each other in discussing the data.

Please follow the simple instructions on the sheet.

Autumn is Here!



During the week 18-25th October 2017, use the [PhenoloGIT App](#) to take a picture of a mature Oak tree near to your school.

Upload the image to the map server.

Think of four questions that you could ask your class about the similarities and differences between the pictures of the Oak trees and the associated information from all the partner countries

Question 1. . Why do leaves fall from the oaks and from other trees, they don't? (we use this activity to review deciduous and evergreen trees).

Where do they start to change color?

Question 2. Study your sheets. Parts of the leaf: edges, limbus, beam and underside, nerves or veins, petiole. (We have compared the leaves of an oak with the leaves of a chestnut tree)

Question 3. What is the tree like? The treetop, at what height do the branches come out? Stretch marks of the cortex? What other living things have their bark? (mosses and lichens) Why do they come out?

Question 4. We work maths with the umpires: we measure our height and our palm (the span of the hand). From these measures we make an approximate calculation of the height and the length of the circumference.

Many thanks for your interest and involvement in this activity, which we share with all schools!

Thank you for your interest and engagement with this activity, which we will share with all partners!

Dende o día 18 ao 25 de outubro de 2017, emprega a App de **PhenoloGIT** para sacar unha foto dun carballo *Quercus Robur* (ou dun rebolo *Quercus Pirenaica* se non hai carballos na túa zona) próximo á túa escola.

Pensa en catro preguntas que poderías facer á túa clase sobre as similitudes e diferencias entre as fotos dos carballos (e rebolos) e a información asociada que conteñen estas observacións dende os países participantes.

CEP DE VENTIN (aula de 4º A, son nen@s de 9 anos)

Pregunta 1. Por qué lle caen as follas aos carballos e a outras árbores non? (esta investigación xa a fixemos o ano pasado pero sírvenos de repaso para as árbores de folla caduca e perenne).

Por donde empezan a cambiar de cor?

Pregunta 2. Estudio das súas follas. Partes da folla: bordes, limbo, haz e envés, nervios ou venas, peciolo. (Aquí dounos para comparalas coas follas dun carballo que trouxo un neno dos Picos de Europa; así como tamén coas follas dos castiñeiros)

Pregunta 3. Como é a árbore? A forma da copa, a qué altura lle saen as pólas? As estrías da corteza? Qué outros seres vivos ten a súa corteza? (musgos e liques) Por qué lle sairán?

Pregunta 4. Traballamos as matemáticas cas árbores: medimos a nosa altura e a nosa palma (a envergadura da man). A partir destas medidas facemos un cálculo aproximado da altura e da lonxitude da circunferencia.

Moitas grazas polo teu interese e implicación nesta actividade, que compartiremos con todas as escolas!