## WikiScience: Wikipedia for Science and Technology



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Starting point:

Wikipedia is the most important channel for the public communication of science (7<sup>th</sup> most visited website)

When seeking for scientific information most citizens turn to the Internet...and then to Wikipedia

About 15 % of articles in Wikipedia are about Science & Technology issues

## Turning university students into Wikipedia editors?

University students do a lot of assignments and essays that are <u>only read</u> by their lecturers

Why not editing Wikipedia instead? Lots of learning benefits Useful for society at large!!!

Assignments involving students as editors in Wikipedia Improving existing articles or creating new ones

A Best Practice Guide for helping faculty members to design teaching activities using Wikipedia (Catalan/Spanish/English) http://hdl.handle.net/10609/38241





GUIA DE BONES PRÀCTIQUES PER A L'ÚS DOCENT DE VIQUIPÈDIA A LA UNIVERSITAT

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Constant de Maura Lenga I Courrent de Vigualedia a la Universitat de Maura Lenga I Courre Voar esta auca todenta de Recommenter-Compartingual 4.0 Internacional de Cimative Commons

## Wikipedia as citizen science?

- Content provided mainly by non-expert citizens (and high-quality!)
- Engaging citizens in large number in S&T issues
- A form of citizen science developed an enacted by citizens themselves
- Against the deficit model (people don't really know) in PUS
- State of the Art: important part of research (access to primary sources)

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WIKIPEDIA	General relativity					*
The Free Encyclopedia	From Wikipedia, the free encyclopedia					
Main page Contents Featured content	For a more accessible and less technical introdu For the book by Robert Wald, see General Rela	ction to this topic, see Introduction to general relativity. http://dook/.				
Current events Random article Donate to Wikipedia Wikipedia store Interaction Help About Wikipedia Community portal Recent changes	General relativity, also known as the general theory of relativity, is the generalic theory of gravitation published by Abert Enstein in 1915 <sup>10</sup> and the current description of gravitation in modern physics. General relativity generalizes special relativity and leworn's law of universal gravitation, providing a unified description of gravity as generative transfer in particular, the curvature of spacetime is directly related to the energy and momentum of whatever matter and radiation are present. The relation is specified by the Enstein field equations, a system of partial differential equations. Some predictions of general relativity differ significantly from those of classical physics, sepacital concentring the passage of time, the generality of general relativity and leworth and radiation, gravitational inclusional receptive concentring the passage of time, the generality of specificant of light. Examples of such differences include gravitational includinar inclusional receptive concentring the gravitational inclusion and experimental data. However, unanswered questions remain, the most fundamental being how general relativity can be reconciled with the laws of quantum physics to produce a complete and self-consistent theory of quantum gravity.				0	
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Permanent link Page information Wilddate Rem Cite this page Print/export Create a book Domitoid as PDE Printable version	Contents [hido] 1 Histoy 2 From classical mechanics to general relativity 2 Geometry of Neutonian gravity 2 Relativistic generalization 3 Definition and basic applications 3 1 Definition and basic properties				General relativity $G_{\mu\nu} + \Lambda g_{\mu\nu} = \frac{8\pi G}{4}$	
Languages Ö Afrikaans Alemannisch	3.2 Model-building 4 Consequences of Einstein's theory 4.1 Gravitational time dilation and frequency shift 4.2 Light deflection and gravitational time delay				Introduction - History Mathematical formulation Resources - Tests	
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