



PROGRAMA EDUCACIÓN y TIC

CURSO 2013-2014

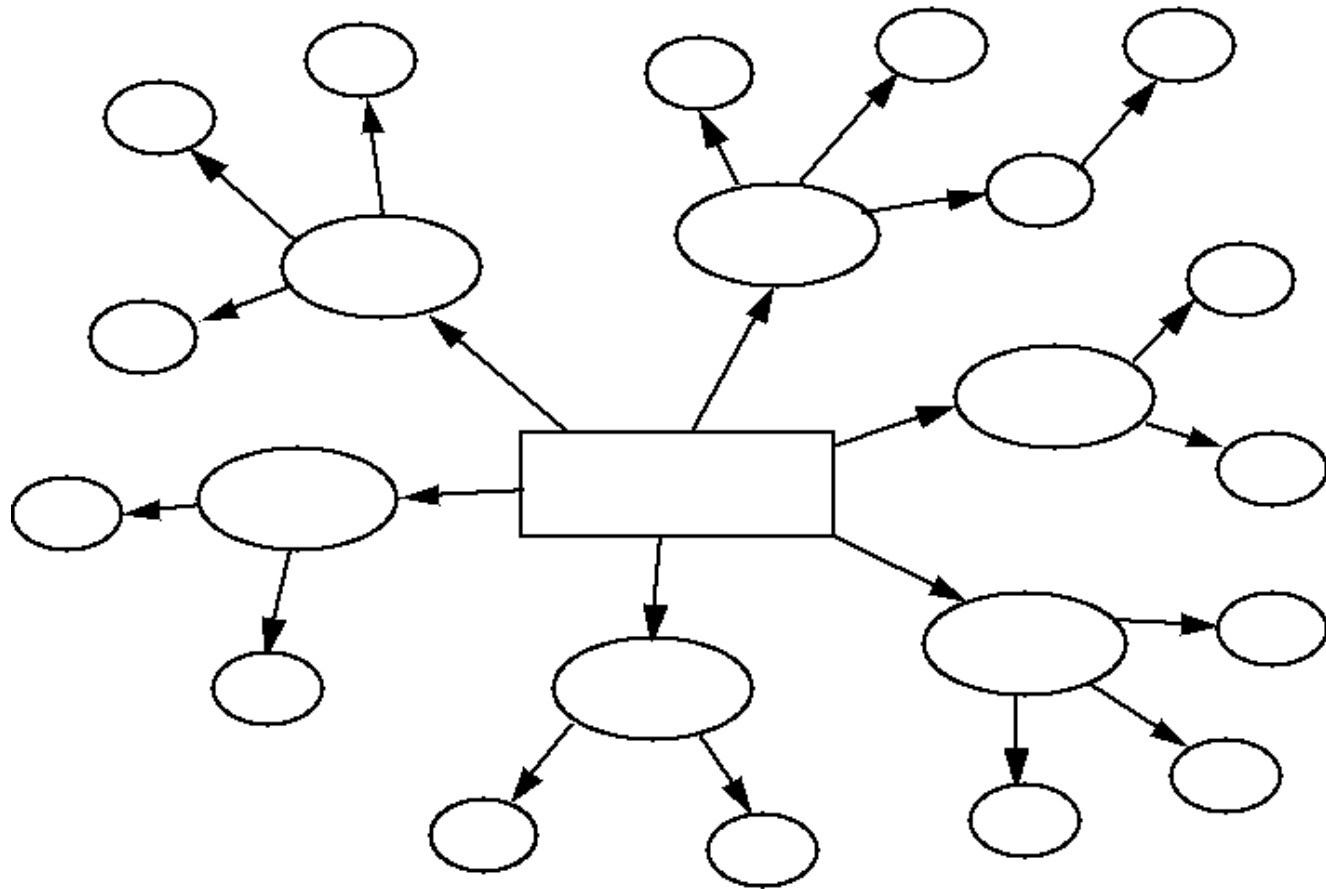
Curación de contenidos para el mapa conceptual de clase

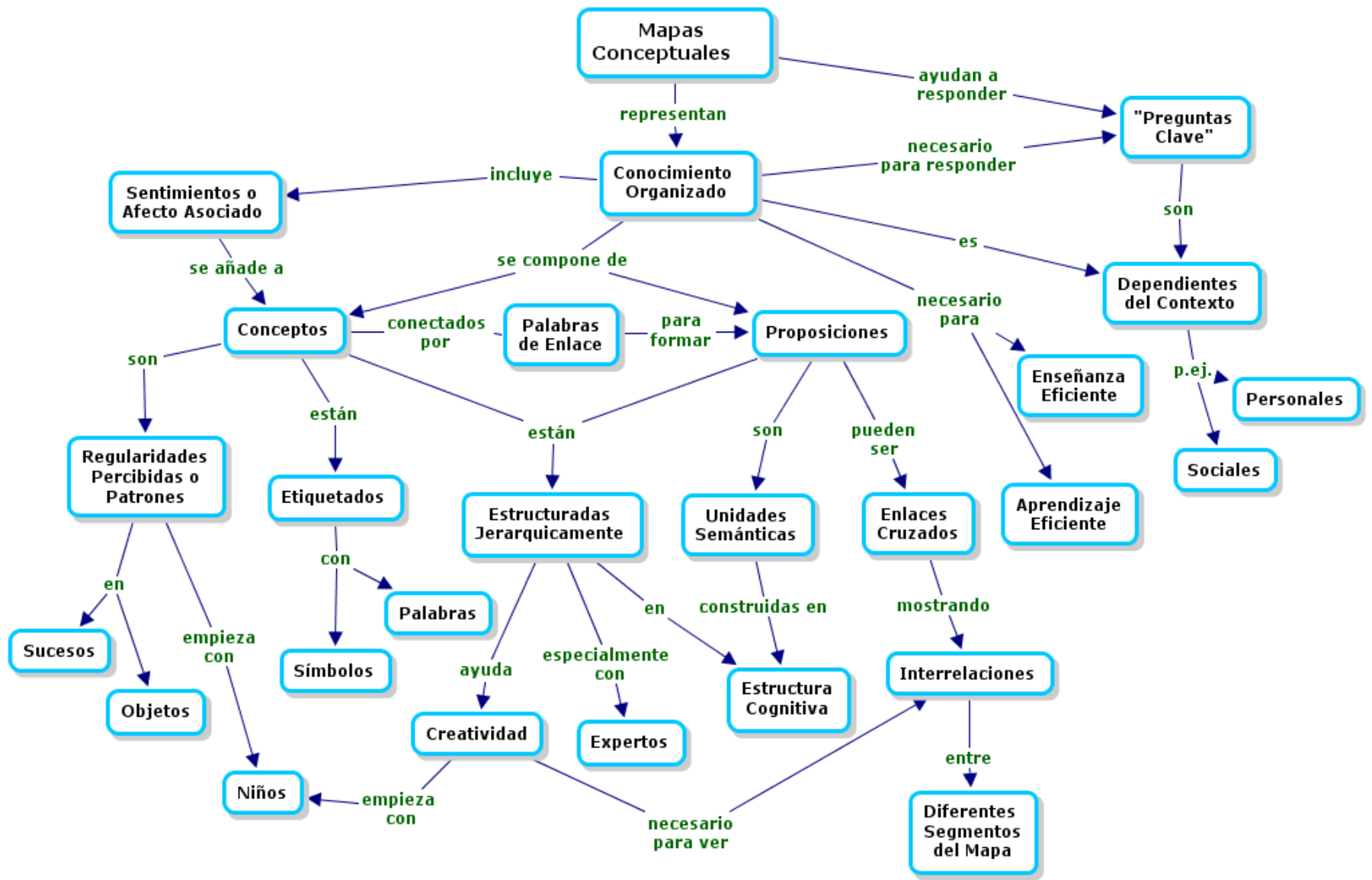
Cristóbal Suarez Guerrero

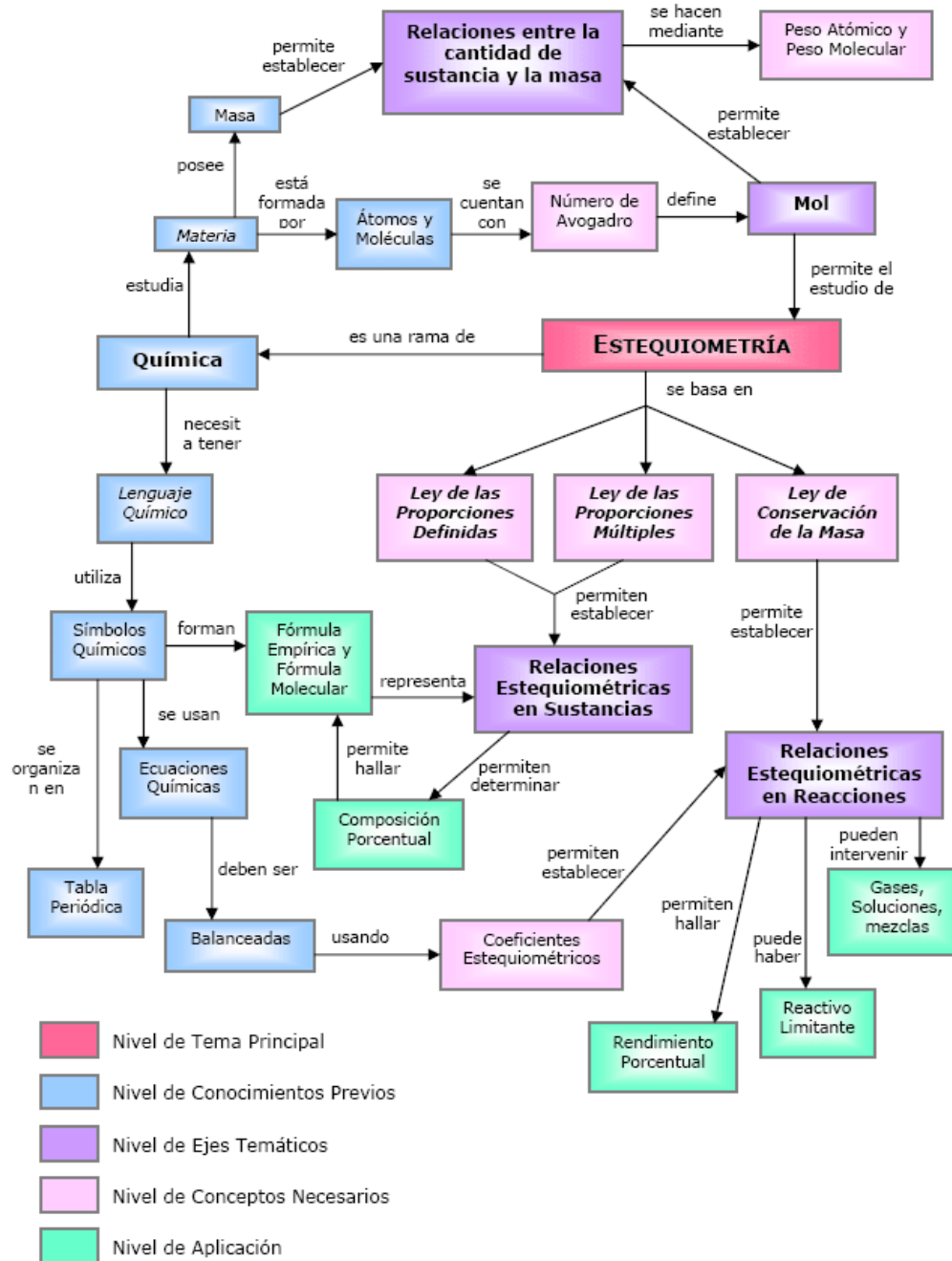
¿Grupo o equipo?



Idea básica: Conectar 20 conceptos en torno a Educación y TIC









Principles:
 1. Mixed age classrooms, with classrooms for children aged 2½ or 3 to 6 years old;
 2. Student choice of activity from within a prescribed range of options;
 3. Uninterrupted blocks of work time;
 4. A Constructivist or "discovery" model, where students learn concepts from working with materials, rather than by direct instruction.

Teacher types: lion-tamer, entertainer and new romantic - the problem of self-judgement in assessment.

An educational movement, guided by passion and principle, to help students develop consciousness of freedom, recognize authoritarian tendencies, and connect knowledge to power and the ability to take constructive action.

Learn naturally if given the freedom to follow own interests and a rich assortment of resources.

School is damaging to education: "The pupil is thereby 'schooled' to confuse teaching with learning, grade advancement with education, a diploma with competence, and fluency with the ability to say something new."

Optimal learning demands that students receive instruction tailored to their learning styles.

Knowledge is continuously gained through both personal and environmental experiences. The learner must:
 1. be able to reflect on the experience;
 2. use analytical skills to conceptualize the experience; and
 3. make decisions and solve problems to use the ideas gained from the experience.

Modifying the goal of learning activity in the light of experience or possibly even reject the goal. Single-loop learning is the repeated attempt at the same problem, with no variation of method and without ever questioning the goal.

A characteristic of an adaptive organization that is able to sense changes in signals from its environment and adapt accordingly.

An organization is created and defined by communication, communication "is" the organization and the organization exists because communication takes place.

A cybernetic and dialectic framework that offers a scientific theory to explain how interactions lead to 'knowing'.

Learning is a social process whereby knowledge is co-constructed and is situated in a specific context and embedded within a particular social and physical environment.

Group of people who share a concern or a passion for something they do and learn how to do it better as they interact regularly.

The process that occurs between a teacher and student that infuses direct experience with the learning environment and content.
 Education based on science that modified and improved the individual.

Knowledge as mental representation:
 1a. Knowledge is not passively received either through the senses or by way of communication;
 1b. Knowledge is actively built up by the cognising subject;
 2a. The function of cognition is adaptive, in the biological sense of the term, tending towards fit or viability;
 2b. Cognition serves the subject's organization of the experiential world, not the discovery of an objective ontological reality.

The learner is not a passive recipient of knowledge but that knowledge is "constructed" by the learner.

groups construct knowledge for one another, collaboratively creating a small culture of shared artifacts with shared meanings

knowledge is distributed across a network of connections to people and information - learning consists of the ability to construct and traverse those networks

A human being develops cognitively from birth throughout his or her life through four primary stages of development: sensorimotor (0-2), preoperational (2-7), concrete operational (7-11), and formal operational (11-). Assimilation is incorporation of new experiences into existing mental schema, accommodation changes mental schema.

The area of capabilities that learners can exhibit with support from a teacher or peer.

The learning of new forms of activity as they are created, rather than the mastery of putative stable, well-defined, existing knowledge and skill.

Scaffolding is the support given during the learning process which is tailored to the needs of the student with the intention of helping the student achieve his/her learning goals.

Learners obtain knowledge by forming and testing hypotheses.

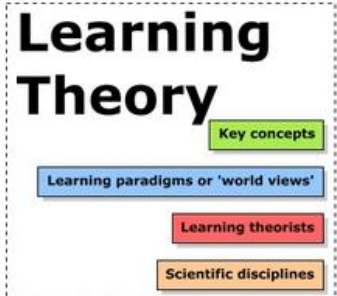
New knowledge to acquire is related with previous knowledges.

We have several different ways of learning and processing information, but these methods are relatively independent of one another: leading to multiple "intelligences" as opposed to a general intelligence factor among correlated abilities

In Mastery learning, "the students are helped to master each learning unit before proceeding to a more advanced learning task".

Taxonomy of learning objectives that educators set for students in three "domains": Cognitive, Affective, and Psychomotor. Learning at the higher levels is dependent on achieving lower levels. Designed to motivate educators to focus on all three domains, creating a more holistic form of education.

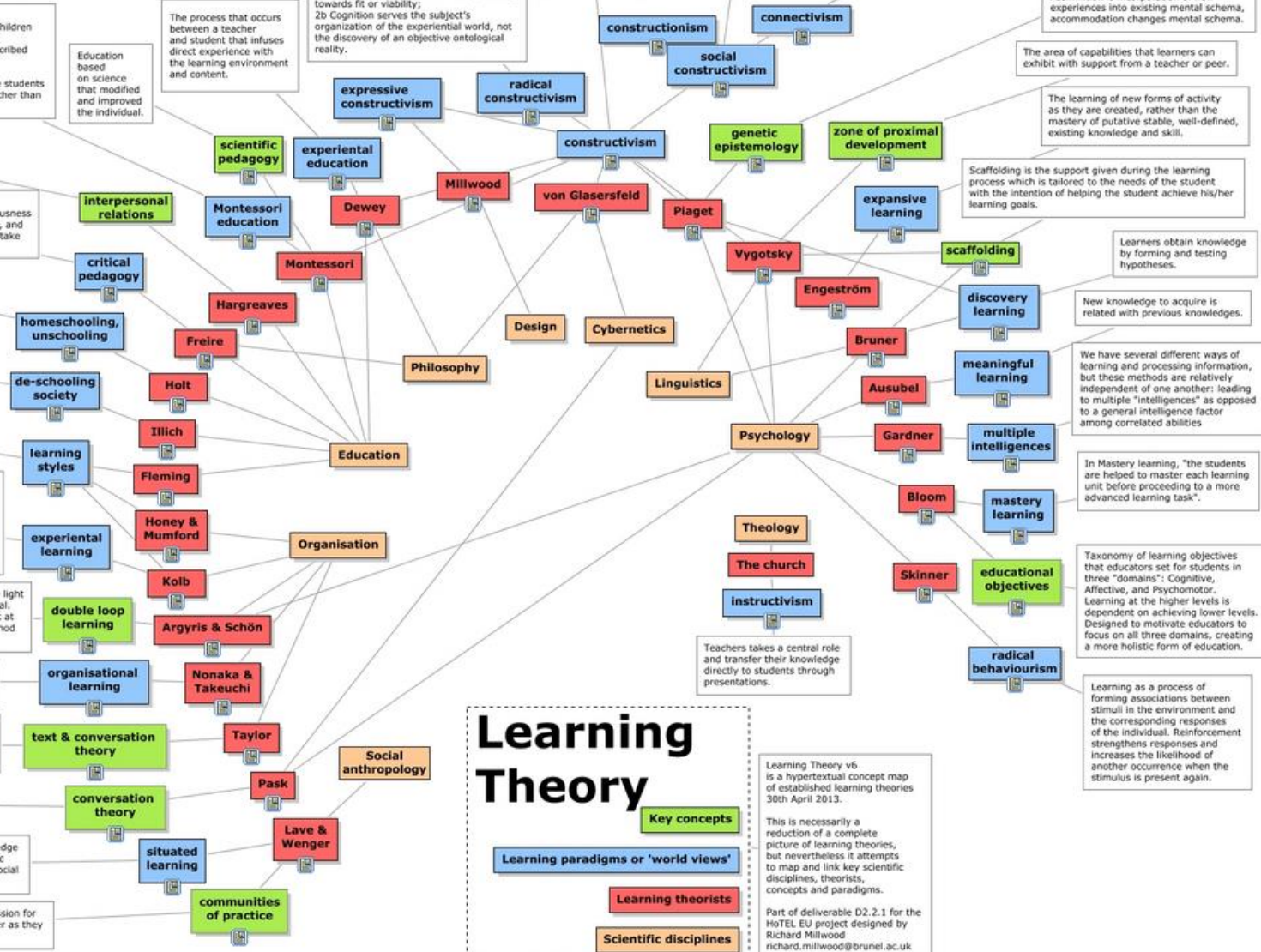
Learning as a process of forming associations between stimuli in the environment and the corresponding responses of the individual. Reinforcement strengthens responses and increases the likelihood of another occurrence when the stimulus is present again.



Learning Theory v6 is a hypertextual concept map of established learning theories 30th April 2013.

This is necessarily a reduction of a complete picture of learning theories, but nevertheless it attempts to map and link key scientific disciplines, theorists, concepts and paradigms.

Part of deliverable D2.2.1 for the HoTEL EU project designed by Richard Millwood richard.millwood@brunel.ac.uk



Conceptos

- Currículum
- Entorno Personal de aprendizaje (PLE)
- Recurso educativo abierto (REA)
- Internet
- Pedagogía
- Sociedad Red
- Competencia digital
- Aprendizaje
- Cultura digital
- Didáctica
- MOOC
- Comunidad virtual de aprendizaje
- Herramientas TIC
- Conectivismo
- Web 2.0
- Aprendizaje informal y no formal
- Innovación educativa
- Docente TIC
- E-learning
- Cooperación en red



Concepto
1

Concepto
2

Búsqueda de información

Taller 1 (11 de abril) sobre búsqueda de información

Depuración de información

En grupo de alumnos

Integración de información

Taller 2 (30 de abril) Sobre Wiki I