

100 Ideas For Secondary Teachers Outstanding Science Lessons

Twig Education

of KS2 science and its global equivalents. Tigtag offers background knowledge for teachers, lesson planning ideas, and multimedia content for the classroom

Imagine Learning, formerly Twig Education, is a digital media company that offers educational content to schools via subscription websites.

Imagine Learning's products are based on real-world video content, with three-minute videos on science, engineering, and mathematics. These are accompanied by learning materials for students and teachers. The films are created using documentary footage from major archives (including the BBC Motion Gallery, NASA, Science Photo Library, and Getty Images among others) as well as self-produced graphics and animations.

The company name was originally Twig World Ltd. but changed to Twig Education in 2018.

Nottingham Academy

educational lessons on equality, diversity and LGBTQ topics, pride-themed fundraisers and educational assemblies. The educational lessons were presented

Nottingham Academy is an academy school located in Nottingham, England. It is an all-through 3-19 school. The school is made up from two (formerly three) predecessor schools, Greenwood Dale 11-19, The Jesse Boot Primary School 3-11, and formerly Elliott Durham 11-16.

The Nottingham Academy was founded in 2009 but formally opened during the year of 2011 when Greenwood Campus had completed construction, becoming once the 'largest school in Europe', serving up to 3,780 pupils ages 3-19. It is administered by a principal, and each site has a Head of School. The academy is sponsored by the Greenwood Academies Trust (GAT).

In September 2020, The Nottingham Academy, Greenwood Campus and Ransom Campus separated and become two individual schools under the Greenwood Academies Trust. The Greenwood Campus...

Aoibhinn Ní Shúilleabháin

some aspects of maths and science to a good teacher of maths in primary school, and to a secondary school science teacher, Mr McMonagle. She grew up

Aoibhinn Ní Shúilleabháin (pronounced ['i:vʲənʲ nʲi: 'hu:ʲəwa:nʲ]; born 25 October 1983) is an Irish academic, teacher, broadcaster and high-profile science communicator. She also won the Rose of Tralee contest in 2005 and toured internationally as the lead singer of an Irish traditional music band. In 2022, she was appointed to chair a national forum on biodiversity loss, presenting its report to Taoiseach Leo Varadkar in April 2023, and presenting on the topic to a committee of the UN General Assembly later that month.

Teacher leadership

those teachers who worked together to change the culture of their classrooms and their departments from those teachers who either tried new ideas in fragmented

Teacher leadership is a term used in K-12 schools for classroom educators who simultaneously take on administrative roles outside of their classrooms to assist in functions of the larger school system. Teacher leadership tasks may include but are not limited to: managing teaching, learning, and resource allocation. Teachers who engage in leadership roles are generally experienced and respected in their field which can both empower them and increase collaboration among peers.

In these types of school environments, teachers are able to make decisions based on the work they do directly with students. When a school system places the decision-making on the teachers, the action is happening one level closer to the people who are most closely impacted by the decisions (generally the students and the...

The School Fund

contribute to educational scholarships for low-income students in countries that do not offer free, public secondary school. Like other civic crowdfunding

The School Fund is a person-to-person crowdfunding platform and nonprofit organization through which donors directly contribute to educational scholarships for low-income students in countries that do not offer free, public secondary school. Like other civic crowdfunding platforms, through The School Fund, large numbers of online visitors support philanthropic efforts by pooling small contributions. The School Fund crowdfunds for students who have been identified by their teachers or local school officials as not having enough money to continue paying to go to school.

Globally, 115 million children do not attend school, and school fees contribute to this dropout rate by making education cost-prohibitive for impoverished students in developing countries. School fees often disproportionately...

Johann-Wolfgang-von-Goethe-Gymnasium

students in two different secondary levels was a tough change for all the students and teachers. Yet, both students and teachers adapted to the new curriculum

Johann-Wolfgang-von-Goethe-Gymnasium Chemnitz is a public secondary school in Chemnitz, Saxony, Germany, for grades 5–12. It is one of seven secondary schools operating in Chemnitz, Bernsdorf

Its name changed in the past multiple times, and the school is now named after the famous German poet and natural scientist Johann Wolfgang von Goethe. One can find several statues of him all over the building.

It is near a netto which is the only attraction.

Johann-Wolfgang-von-Goethe-Gymnasium has an annual average enrollment of about 666,5 students and 46 teachers. It offers a variety of 18 extracurricular activities. The principal of the school is Steffen Morgner (until summer 2021) and the assistant principal is Veronika Pißler.

The school building was established in 1910 after only one year of construction...

Education in China

10 September as Teachers' Day, granted teachers pay raises, and made teachers' colleges tuition free. To further arrest the teacher shortage, in 1986

Education in the People's Republic of China is primarily managed by the state-run public education system, which falls under the Ministry of Education. All citizens must attend school for a minimum of nine years, known as nine-year compulsory education, which is funded by the government. This is included in the 6.46 trillion Yuan budget.

Compulsory education includes six years of elementary school, typically starting at the age of six and finishing at the age of twelve, followed by three years of middle school and three years of high school.

In 2020, the Ministry of Education reported an increase of new entrants of 34.4 million students entering compulsory education, bringing the total number of students who attend compulsory education to 156 million.

In 1985, the government abolished tax-funded...

Education in Germany

Prussian secondary schools by 1812 and extended to all of Germany in 1871. The state also established teacher training colleges for prospective teachers in

Education in Germany is primarily the responsibility of individual German states (Länder), with the federal government only playing a minor role.

While kindergarten (nursery school) is optional, formal education is compulsory for all children from the age of 6-7. Details vary from state to state. For example, in Bavaria, children need to attend school for a total of 12 years (of which 3 may be for an apprenticeship); while in Brandenburg, school must be attended until the end of the school year in which the pupil turns 18. Students can complete three types of school leaving qualifications, ranging from the more vocational Hauptschulabschluss and Mittlere Reife over to the more academic Abitur. The latter permits students to apply to study at university level. A bachelor's degree is commonly...

Stephen Brookfield

and Transformative Learning. Hershey, PA: Information Science Publishing (2018) White Teachers in Diverse Classrooms: Using Narrative to Address Teaching

Stephen Brookfield (born 1949 in Liverpool, England) is a scholar in adult education who has held positions at the University of British Columbia, Columbia University, Harvard University University of Saint Thomas and Antioch University. He is currently adjunct professor at Columbia University, and emeritus professor at the University of St. Thomas.

Alfred S. Posamentier

2006, 2013) What successful Math Teacher Do: Grades K-5 (Corwin 2007) Exemplary Practices for Secondary Math Teachers (ASCD, 2007) The Fabulous Fibonacci

Alfred S. Posamentier (born October 18, 1942) is an American educator and a lead commentator on American math and science education, regularly contributing to The New York Times and other news publications. He has created original math and science curricula, emphasized the need for increased math and science funding, promulgated criteria by which to select math and science educators, advocated the importance of involving parents in K-12 math and science education, and provided myriad curricular solutions for teaching critical thinking in math.

Dr. Posamentier was a member of the New York State Education Commissioner's Blue Ribbon Panel on the Math-A Regents Exams. He served on the Commissioner's Mathematics Standards Committee, which redefined the Standards for New York State. And he served...

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