

n. 1

1. Descrivere le principali proprietà e caratteristiche meccaniche del conglomerato cementizio, che lo rendono un materiale largamente utilizzato in ambito edilizio
2. Quali sono le funzioni dello strumento "Layer" in Autocad
3. Principi di buona fede e di tutela dell'affidamento nel decreto legislativo n. 36/2023.
4. Quali sono le funzioni del Polo Scientifico e Didattico di Terni e gli organi?
5. Quali sono i programmi che fanno parte del programma Office?
6. Legga e traduca:

Some of the biggest and most expensive transportation projects in the world have involved building bridges. Bridges are crucial links that carry cars, trucks and trains across bodies of water, mountain gorges or other roads. As a result, they are one of the most important aspects of civil engineering and are subject to intense inspection, especially when they collapse.

Bridge collapses can be tragic events, leading to loss of life and serious property damage. That's why bridge engineers, designers and builders must always take their jobs very seriously. The best way for them to prevent these accidents is to understand why bridges collapse in the first place. Understanding bridge collapses can lead to major changes in the design, construction and safety of future building projects.

n. 2

1. Descrivere le principali proprietà e caratteristiche meccaniche dell'acciaio utilizzato in edilizia
2. Che cosa è un "blocco" in Autocad?
3. La consegna lavori, sospensioni e ripresa nell'esecuzione di un lavoro pubblico.
4. Consiglio di Polo Scientifico e Didattico di Terni: costituzione e compiti.
5. A cosa serve la funzione Thesaurus del programma Microsoft word?
6. Legga e traduca:

The following are main reasons why bridges fall.

Fire

Historically, more bridges were made of wood and were much more susceptible to fire. This was particularly true of old-fashioned train bridges, where the spark created by the steel wheels and steel tracks could sometimes cause a bridge to catch fire and burn to the ground.

During construction

A large number of bridge accidents occur during the construction of the bridge itself. These accidents are often due to an error made by the engineers, such as a miscalculation. The bridge collapses under its own weight, and this can be deadly for the workers on it at the time.

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n. 3

1. Descrivere la differenza di caratteristiche meccaniche fra conglomerato cementizio e conglomerato cementizio armato
2. A cosa servono, in Autocad, i comandi del gruppo OSNAP (Snap ad oggetto)?
3. Collaudo e verifica di conformità negli appalti di lavori pubblici.
4. Il Garante d'Ateneo.
5. Utilizzando il programma Microsoft Excel, quante cartelle di lavoro si possono aprire contemporaneamente? E' possibile stampare solo una porzione del foglio di lavoro? É possibile proteggere un file Excel con password?
6. Legga e traduca: The following are main reasons why bridges fall

[...]

#### Earthquakes

Earthquakes damage all structures, including bridges. Luckily, this kind of collapse is relatively infrequent, especially with modern bridges. Engineers have learned to design bridges in earthquake zones on areas that are much more resistant to movement.

#### By defect

Some bridge collapses are mysteries, and engineers only realise why after they conduct a complete investigation. In some cases, this could happen because inferior-quality material was used in the construction, or because of a defect in a key piece of the bridge. In other cases, the bridge was designed only to support a certain amount of weight and no more.

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