UNANG MARKAHAN BAITANG 7 SUPPLEMENTAL LESSON PLAN 1

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Unang Markahan Baitang 7 Supplemental Lesson Plan 1

Layunin:

- Maipaliwanag ang mga pangunahing konsepto ng Tekstong Informatibo.
- Makilala ang iba't ibang uri ng Tekstong Informatibo.
- Makapagsuri ng mga tekstong informatibo gamit ang mga natutunang kaalaman.

Kagamitan:

- Mga halimbawang tekstong informatibo
- Tsart ng mga uri ng Tekstong Informatibo
- Graphic organizer

Pamamaraan:

Parirala 1:

Pagtatanong:

- Ano ang Tekstong Informatibo?
- Bakit mahalaga ang pag-aaral nito?

Parirala 2:

Pagtalakay:

- Ipaliwanag ang kahulugan ng Tekstong Informatibo at ang layunin nito, na magbigay ng kaalaman.
- Ipakita ang mga pangunahing bahagi ng Tekstong Informatibo (panimula, katawan, konklusyon).

Parirala 3:

Pag-uuri:

- Ipakilala ang iba't ibang uri ng Tekstong Informatibo:
 - o Balita
 - Artikulo sa dyaryo
 - Magasin
 - Manwal
 - Sulating pananaliksik

Parirala 4:

Pagsusuri:

- Bigyan ang mga mag-aaral ng mga halimbawang tekstong informatibo at hilingin sa kanila na suriin ang:
 - Uri ng Tekstong Informatibo
 - Paksa at layunin
 - Mga pangunahing ideya
 - Estruktura

Parirala 5:

Paglalapat:

- Hilingin sa mga mag-aaral na mag-research at magpresenta ng isang Tekstong Informatibo tungkol sa isang paksang interesado sila.
- Gabayan sila habang sinusuri nila ang kanilang mga tekstong iniharap ayon sa mga kaalamang natutunan.

Thermodynamics Property Tables: Cengel 7th Edition

Thermodynamics property tables are an essential tool for engineers and scientists working in various fields. They provide tabular data for thermodynamic properties such as pressure, volume, temperature, and enthalpy for a wide range of substances.

Q: What are the different types of thermodynamics property tables available in the Cengel 7th edition?

A: The Cengel 7th edition includes two main types of property tables: saturation tables and superheated vapor tables. Saturation tables provide data for substances in the saturated liquid and saturated vapor states, while superheated vapor tables provide data for substances in the superheated vapor state.

Q: How can I use the property tables to find the thermodynamic properties of a substance?

A: To use the property tables, first identify the substance of interest. Then, locate the corresponding saturation table or superheated vapor table based on the substance's state. Interpolate between the values in the table to find the desired property.

Q: What are some examples of applications of thermodynamics property tables?

A: Thermodynamics property tables are used in various engineering applications, including:

- Calculating heat transfer rates in heat exchangers
- Designing steam turbines and boilers
- Predicting the performance of refrigeration systems

Optimizing combustion processes

Q: Are there any limitations to using thermodynamics property tables?

A: Thermodynamics property tables are limited to the substances and conditions for

which they are available. They also do not account for the effects of impurities or

mixtures.

Q: What are some other resources available for obtaining thermodynamics

property data?

A: In addition to the Cengel 7th edition property tables, other resources for obtaining

thermodynamics property data include the NIST Chemistry WebBook, the DIPPR

database, and software such as EES (Engineering Equation Solver).

White Metal Bearing Alloys: Babbitt Metal Alchemy

Q1: What are white metal bearing alloys? White metal bearing alloys, commonly

known as babbitt metal, are low-friction alloys used in plain bearings of internal

combustion engines, compressors, and pumps. They consist primarily of tin,

antimony, copper, and lead. These alloys possess excellent conformability and

embedability, allowing them to conform to shaft irregularities and tolerate embedded

debris without seizing.

Q2: What is the composition of babbitt metal? Babbitt metal is typically an alloy

of tin (80-90%), antimony (4-12%), copper (4-10%), and lead (0-4%). The specific

composition varies depending on the application and required properties. Higher tin

content improves fatigue resistance and conformability, while more antimony

increases hardness and wear resistance.

Q3: How is babbitt metal produced? Babbitt metal is produced through a casting

process. The alloy ingredients are melted together in a crucible and then poured into

a mold cavity. The molten metal is cooled and solidified, forming solid bearing

castings. These castings are subsequently machined or lined to fit the desired

bearing surfaces.

Q4: What are the advantages of using babbitt metal bearings? Babbitt metal

bearings offer several advantages, including:

- Excellent conformality and embedability
- Low friction and wear resistance
- High load-carrying capacity
- Corrosion resistance
- Good heat dissipation

Q5: What are the applications of white metal bearing alloys? White metal bearing alloys are widely used in various industrial applications, such as:

- Industrial engines
- Compressors
- Pumps
- Gearboxes
- Turbine generators
- Marine engines

You Inc.: The Art of Selling Yourself

In today's competitive job market, it's more important than ever to be able to sell yourself effectively. Harry Beckwith's book "You Inc.: The Art of Selling Yourself" provides a wealth of valuable tips and insights for anyone who wants to boost their career prospects.

Q: Why is it important to sell yourself?

A: In today's economy, you are your own business. You need to be able to market and sell yourself in order to succeed.

Q: What are some of the key principles of selling yourself?

A: Some of the key principles of selling yourself include knowing your target audience, understanding your value proposition, and building relationships.

Q: How can you develop a strong personal brand?

A: A strong personal brand is essential for selling yourself. You need to develop a brand that is authentic, memorable, and relevant to your target audience.

Q: How can you use social media to sell yourself?

A: Social media is a powerful tool for selling yourself. You can use social media to connect with potential employers, build relationships, and showcase your work.

Q: What are some of the common mistakes people make when selling themselves?

A: Some of the common mistakes people make when selling themselves include not knowing their target audience, not understanding their value proposition, and not being authentic.

By following the tips and advice in Harry Beckwith's book "You Inc.: The Art of Selling Yourself," you can improve your ability to sell yourself and achieve your career goals.

thermodynamics property tables cengel 7th edition, white metal bearing alloys babbitt metal alchemy, you inc the art of selling yourself harry beckwith

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