



education

Department of
Education
FREE STATE PROVINCE

TECHNOLOGY

GRADE 8 - PAT

TERM 3 – 2023/2024

STRUCTURES AND MECHANICAL SYSTEMS & CONTROL

Adapted according to the Revised ATP

NAME OF LEARNER: _____
NAME OF SCHOOL: _____
CLASS: _____

SKILLS TO BE ASSESSED	
INVESTIGATION SKILLS: mine shaft headgear, head frame and winch & compare concrete and steel headgears. (Act 2.1)	____/15
DESIGN SKILLS: Design brief, specifications and constraints (TASK 3)	____/10
DESIGN SKILLS: Sketch a 2D working drawing of the headgear (TASK 6)	____/10
TOTAL MARKS FOR DESIGN SKILLS	____/20
MAKING SKILLS: Making the prototype (TASK 10)	____/35
TOTAL	____/70

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**Geological Survey, Interior
Department, Mines Bureau**



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Minerals Yearbook Geological Survey, Interior Department, Mines Bureau, 2019-01-31 This volume covering metals and minerals contains chapters on approximately 90 commodities In addition this volume has chapters on mining and quarrying trends and on statistical surveying methods used by Minerals Information plus a statistical summary **Exploring**

Management John R. Schermerhorn, Jr., Daniel G. Bachrach, 2017-10-16 Exploring Management supports teaching and learning of core management concepts by presenting material in a straightforward conversational style with a strong emphasis on application With a focus on currency high interest examples and pedagogy that encourages critical thinking and personal reflection Exploring Management is the perfect balance between what students need and what instructors want

Financial Services and General Government Appropriations for Fiscal Year 2015 United States. Congress. Senate. Committee on Appropriations. Subcommittee on Financial Services and General Government, 2015 *The Triumph of Profiling* Andreas Bernard, 2019-07-20 Until fairly recently only serial killers and lunatics had profiles Yet today almost everyone is profiled through social media mobile phones and a multitude of other methods But where does the idea of profiling come from how has it changed over time and what are its implications In this book Andreas Bernard examines contemporary profiling s roots in late nineteenth century criminology psychology and psychiatry Data collection techniques previously used exclusively by police or to identify groups of people are now applied to all individuals in society GPS transmitters and measuring devices are now unconsciously embraced to have fun communicate make money or even find a partner Drawing perceptive parallels between modern technologies and their antecedents Bernard shows how we have unwittingly internalized what were once instruments of external control and repression This illuminating genealogy of contemporary digital culture will be of interest to students and scholars in media and communication and to anyone concerned about the power technologies hold over our lives Scientific and Technical Aerospace Reports ,1992

Handbook of Automated Scoring Duanli Yan, André A. Rupp, Peter W. Foltz, 2020-02-26 Automated scoring engines require a careful balancing of the contributions of technology NLP psychometrics artificial intelligence and the learning sciences The present handbook is evidence that the theories methodologies and underlying technology that surround automated scoring have reached maturity and that there is a growing acceptance of these technologies among experts and the public From the Foreword by Alina von Davier ACTNext Senior Vice President Handbook of Automated Scoring Theory into Practice provides a scientifically grounded overview of the key research efforts required to move automated scoring systems into operational practice It examines the field of automated scoring from the viewpoint of related scientific fields serving as its foundation the latest developments of computational methodologies utilized in automated scoring and several large scale real world applications of automated scoring for complex learning and assessment systems The book is organized into three parts that cover 1 theoretical foundations 2 operational methodologies and 3 practical illustrations each with a

commentary In addition the handbook includes an introduction and synthesis chapter as well as a cross chapter glossary
Federal Register ,2013-12 *The Drone Wars of the 21st Century* Kristen Boon,2014 We devote this volume to an examination of the apparent shift in the use of force in defending U S interests and in furthering U S national security policy The nation s use of unmanned aerial vehicles in lieu of more conventional military capabilities has been increasing significantly since the beginning of the century Commonly referred to as drones these surveillance and weapons systems appear to offer many advantages They allow the United States to apply force in areas otherwise inaccessible to military units drones are beginning to be used domestically for law enforcement purposes This volume on drones focuses on international use of the systems The following volume will address domestic use of drones Congressional Record United States. Congress,2017-11 **Creating the Coding Generation in Primary Schools** Steve Humble,2017-09-14 Creating the Coding Generation in Primary Schools sets out the what why and how of coding Written by industry innovators and experts it shows how you can bring the world of coding to your primary school practice It is packed with a range of inspirational ideas for the cross curricular teaching of coding from demystifying algebra in maths to teaching music to designing digital storytelling as well as an insight into the global movement of free coding clubs for young people such as CoderDojo and Girls Learning Code Key topics explored include what we mean by coding understanding and teaching computational thinking building pupils passion for and confidence with technologies artificial intelligence systems how gender impacts on coding STEM learning and Computer Science using Minecraft to improve pupil engagement fun projects using a Raspberry Pi Designed to be read from cover to cover or dipped into for ideas and advice Creating the Coding Generation in Primary Schools offers all teachers a deeper knowledge and understanding of coding that will help them support and inspire the coding generation It is cool to code

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