Please check the examination details below before entering your candidate information Candidate surname Other names Pearson BTEC Centre Number Learner Registration Number **Mattionals** Certificate Wednesday 15 January 2020 Morning (Time: 40 minutes) Paper Reference 31617H/1C Applied Science / Forensic and Criminal Investigation Unit 1: Principles and Applications of Science I Chemistry SECTION B: PERIODICITY AND PROPERTIES OF ELEMENTS Total Marks You must have: A calculator and a ruler.

Instructions

- Use black ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and learner registration number.
- Answer all questions.
- Answer the questions in the spaces provided
 - there may be more space than you need.

Information

- The exam comprises three papers worth 30 marks each. Section A: Structure and functions of cells and tissues (Biology). Section B: Periodicity and properties of elements (Chemistry). Section C: Waves in communication (Physics).
- The total mark for this exam is 90.
- The marks for each question are shown in brackets.
 - use this as a guide as to how much time to spend on each question.
- The periodic table of elements can be found at the back of this paper.

Advice:

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

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British Vocational Qualifications Kogan Page, 2003 Over the last decade as the importance of vocational qualifications has been firmly established the system has become increasingly complex and hard to grasp Now in its sixth edition this popular and accessible reference book provides up to date information on over 3500 vocational qualifications in the UK Divided into five parts the first clarifies the role of the accrediting and major awarding bodies and explains the main types of vocational qualifications available A directory then lists over 3500 vocational qualifications classified by professional and career area giving details of type of qualification title level awarding body and where possible the course code and content The third section comprises a glossary of acronyms used together with a comprehensive list of awarding bodies industry lead bodies professional institutes and associations with their contact details Section four is a directory of colleges offering vocational qualifications in the UK arranged alphabetically by area Finally section five is an index of all qualifications listed alphabetically by title Equality and Diversity in Further Education Sheine Peart, 2025-02-28 Further Education is the most diverse of all the education sectors Managing diversity and promoting equality a legislative requirement of the 2010 Equalities Act brings significant challenges for practitioners who are tasked with making the rhetoric of politicians a reality often with little guidance and few resources This book provides practical guidance for existing lecturers and trainee teachers explaining how they can overcome these challenges and establish a positive learning environment to meet the needs of all learners This accessible and up to date book extends the scope of the diversity and inclusion debate to consider a wide range of issues including age working with cross cultural groups promoting effective gender relations sexual orientation and working with current and ex offenders Each chapter includes clear objectives case studies critical thinking tasks chapter reflections and a learning review audit Citizenship and Democracy in Further and Adult Education Neil Hopkins, 2013-07-30 This book addresses the questions why citizenship education is an important subject for students in further and adult education and why we need democratic colleges to support the study of citizenship education It investigates the historical roots of further and adult education and identifies how the adoption of citizenship education in the post compulsory sector can enrich vocational studies in further education and programmes in adult education It is argued that democratic colleges are vital to ensure that citizenship education informs the decision making process throughout educational institutions and as a means of establishing fair and equal representation for important stakeholders The author has worked in both sectors for over a decade and uses this experience to offer a blend of educational practice and philosophical investigation The result is a work that appeals to both teachers in further and adult education as well as academics and students interested in philosophy of education Handbook for Education - Bristol Guide 2021-2022 UNIVERSITY OF BRISTOL, School of Education, 2020-08-03 The guide is an essential resource for trainee teachers working towards the Teachers Standards for qualified teacher status QTS It also helps newly qualified teachers NQTs and more

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new edition is an essential companion for those training to teach providing an overview of important professional issues that all future teachers need to engage with in order to succeed in the classroom Previously known as How to Achieve Your QTS this Second Edition is equally valuable to those training to teach in both primary and secondary education and aims to give students the confident start they need in the classroom Features new to this edition include more balanced primary education coverage and four new chapters on child protection issues teaching pupils with English as an Additional Language cross curricular teaching issues and your first teaching post applications interviews and induction The accompanying Website www sagepub co uk denby has been updated to include additional material expanding on and complementing the contents of the book This book is essential reading for professional studies modules on both primary and secondary initial teacher education courses at both udergraduate and postgraduate level and on university based and school based training courses Neil Denby teaches at the School of Education and Professional Development University of Huddersfield

Teaching Mathematics in the Secondary School Paul Chambers, Robert Timlin, 2013-03-31 Chambers and Timlin write with clarity and purpose The authors link the theory of teaching mathematics with simple reflective questions and interesting maths tasks There is practical advice on planning assessment and differentiations amongst other pertinent themes Jacqueline Oldham PGCE Secondary Mathematics Course Tutor St Mary's University College This is a very practical guide for learning to teach mathematics for student teachers on all training routes Chapters are focused and readable but succeed in tackling issues in depth giving the reader strong academic support Anne Haworth PGCE Secondary Mathematics Course Tutor University of Manchester This book is an essential companion for anyone training to teach mathematics in secondary education It offers clear and engaging coverage of all major aspects of mathematics teaching that you will need to engage with in order to successfully train for the classroom This Second Edition includes a new chapter exploring different teaching approaches including active learning effective group work and creative mathematics teaching expanded coverage of assessment using resources in the classroom and metacognition and learning updated coverage of recent developments in education policy and the 2012 Teachers Standards This is essential reading for anyone training to teach secondary mathematics including postgraduate PGCE SCITT and school based routes into teaching Free digital resources for extra support is available in the book s companion website It includes Web links and further reading for each chapter A video series of a sample classroom lesson filmed in a real life setting Visit www sagepub co uk chamberstimlin Handbook on Education in Southeast Asia Lorraine Pe Symaco, Martin Hayden, 2021-12-23 This International Handbook provides a detailed account of the education systems of 11 Southeast Asian nations including Brunei Darussalam Cambodia Indonesia Lao People s Democratic Republic Malaysia Myanmar the Philippines Singapore Thailand Timor Leste and Vietnam It presents a systematic sector by sector explanation of how these national education systems deliver educational services and respond to national and international issues and challenges With 56 chapters the International Handbook is the region s

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