

1. Record Nr.	UNINA9910790386903321
Autore	Collins Margaret <1934->
Titolo	Raising self-esteem in primary schools [[electronic resource]] : a whole school training programme / / Margaret Collins
Pubbl/distr/stampa	Los Angeles, [Calif.] ; ; London, : SAGE, c2009
ISBN	1-4462-1222-X 1-283-88166-7 1-4462-6387-8
Descrizione fisica	1 online resource (186 p.) : ill
Collana	Lucky Duck Books
Disciplina	372.0114
Soggetti	Moral education (Elementary)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Lucky Duck book."
Nota di bibliografia	Includes bibliographical references (p.186).
Nota di contenuto	About the author; Contents; Introduction; How to use this book; The CD; Section 1 The Draw and Write classroom based illuminative research strategy: 'Am I confident?'; Section 2 Training workshops for mid-day supervisors(MDSs) and other adults; Section 3 Training workshops for teachers and classroom assistants; Section 4 Lessons and activity sheets for children; an integral part of the adult training; Section 5 Five further lessons and activity sheets; APPENDIX; Resources
Sommario/riassunto	Children with low self-esteem will have difficulty in partaking in classroom lessons and succeeding. If we want to help children in the primary school to achieve the positive outcomes set out in the Every Child Matters agenda, we need to ensure all children have a healthy self-esteem. This book seeks to give adults in schools tools to look at the way they could enhance self esteem in children.

2. Record Nr.	UNINA9910825496103321
Autore	Christensen Jesper
Titolo	Nonlinear optimization of vehicle safety structures : modeling of structures subjected to large deformations / / Jesper Christensen, Christophe Bastien
Pubbl/distr/stampa	Amsterdam, Netherlands : , : Butterworth-Heinemann, , 2016 ©2016
ISBN	0-12-804424-1 0-12-417309-8
Descrizione fisica	1 online resource (488 p.)
Disciplina	363.1255250973
Soggetti	Automobiles - Safety appliances Automobiles - Safety measures Automobiles - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Title Page; Copyright Page; Table of Contents; Preface; Chapter one - Vehicle Architectures, Structures, and Safety Requirements; 1.1 - Introduction; 1.2 - Legislative requirements; 1.3 - Occupant injuries; 1.3.1 - The crash test dummy families (or the tools to capture injury criteria); 1.3.2 - Typical injury criteria; 1.3.2.1 - Head injury criteria (HIC); 1.3.2.2 - Head injury criteria for free motion head form (HIC(d)); 1.3.2.3 - Neck injury criteria (Nij); 1.3.2.4 - TI (Tibia index); 1.3.3 - Surrogate impactors; 1.3.4 - Human computer models 1.4 - Typical vehicle architectures and scope for optimization 1.4.1 - Ladder frame; 1.4.2 - Tubular structures; 1.4.3 - Integral structures; 1.4.4 - Shape and size; 1.4.5 - Materials and manufacture; 1.5 - Holistic approach to vehicle design; 1.5.1 - Overall architecture design for structural instruction limitation; 1.5.2 - Local shape and sizing for legal and other desirable structural requirements; 1.6 - Conclusions and opportunities; References; Chapter two - Numerical Techniques for Structural Assessment of Vehicle Architectures; 2.1 - Introduction to finite element analysis (FEA)

2.2 - Theory of elasticity
2.3 - Elements; 2.3.1 - One-dimensional elements; 2.3.2 - Two-dimensional elements; 2.3.3 - Three-dimensional elements; 2.3.4 - Zero-dimensional elements; 2.3.5 - Meshing strategy; 2.3.6 - Element type; 2.3.7 - Element shape; 2.3.8 - Element size; 2.4 - Fundamental explicit and implicit finite element analysis; 2.5 - Nonlinear explicit finite element analysis; 2.5.1 - Understanding the need for explicit FEA in connection with vehicle safety assessment; 2.6 - Explicit FEA applied to vehicle safety assessment
2.6.1 - Standard explicit equations and convergence criteria
2.6.2 - Stress wave propagation and timestep; 2.6.3 - Relating the timestep to explicit FEA for vehicle safety assessment; 2.6.4 - Critical element length; 2.6.5 - Summation of factors influencing the timestep magnitude; 2.6.6 - Importance of consistent mesh size; 2.6.7 - Manipulating timestep magnitude; 2.7 - Contacts; 2.7.1 - Panel-to-panel contacts; 2.7.2 - Tied contacts; 2.8 - Example convergence study of explicit FEA; 2.8.1 - Contact forces; 2.8.2 - Kinetic energy; 2.8.3 - Internal energy; 2.8.4 - Total energy
2.8.5 - Summation of convergence study
References; Chapter | three - Introduction to General Optimization Principles and Methods; 3.1 - What is structural optimization?; 3.2 - How are optimization problems generally solved?; 3.3 - General optimization methods and principles; 3.4 - The curse of dimensionality; 3.5 - Convex programming and optimization; 3.5.1 - Linear programming; 3.5.2 - The Simplex method; 3.5.3 - Application to real-world engineering problems; 3.5.4 - Sequential linear programming; 3.6 - Gradient-based methods and line search methods; 3.6.1 - Gradient descent method
3.6.2 - MatLab example of gradient descent method
