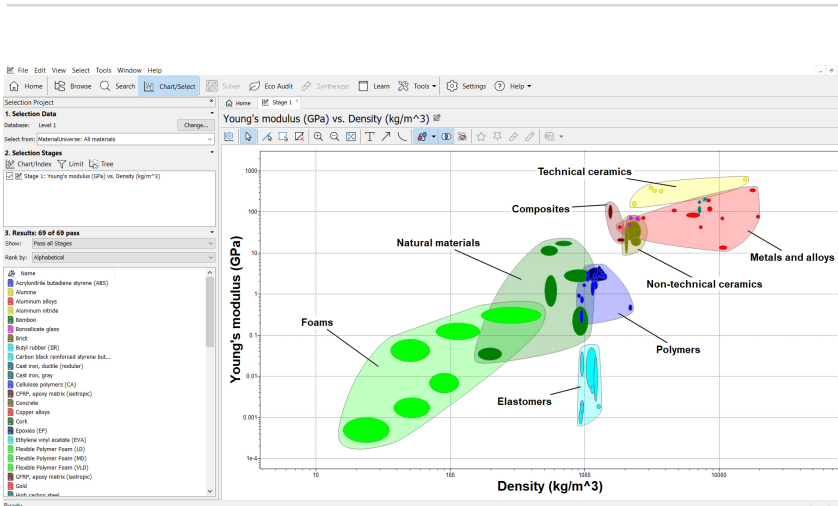# Granta EduPack Overview

Ansys Granta EduPack helps materials educators engage students in materials topics and supports their learning throughout the engineering curriculum. Relied on by over 1,400 universities and colleges worldwide, EduPack's data, tools and associated student and teaching resources provide educators with a dynamic way to enliven their teaching and keep up to date.

Key Benefits

- Inspire and engage students throughout the engineering curriculum.
- Support existing teaching and apply to new courses for any teaching approach.
- Promote interdisciplinary learning and project work.

What Do Users Get?

- Software
- Information resources
- Teaching resources
- Self-learning resources
- Support for textbooks
- Training and support

How is it Used?

Granta EduPack supports deep learning outcomes and prepares students for industry, supporting courses in areas including:

- Introduction to Materials
- Materials Selection
- Eco Design and Life Cycle Thinking
- Capstone Design and Sustainability

"It is a great tool and very well-suited for university learning."

Ir. Erik Thomassen
Delft University of Technology / Netherlands

"It puts a lot of data in one place and at our fingertips."

Dr. Kareen Coulombe
Brown University / USA

"EduPack enables...project-based learning, flipped classes and ongoing assessment."

Prof. Stéphane Gorsse
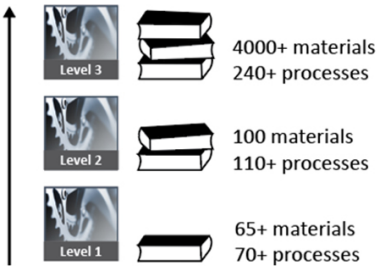Institut Polytechnique de Bordeaux / France

Data and Tools

Granta EduPack provides educators with a comprehensive range of tools and resources. These are combined to meet your individual needs, spanning engineering and materials-related subjects across all levels of teaching from pre-university to postgraduate. Quick access to reliable materials and process data accelerates the setting of student problems and enables highly realistic and industrially relevant engineering projects.
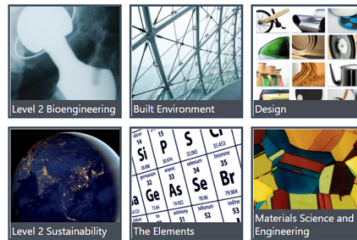
Engineering · Aerospace · Polymer · Design · Eco Design · Bioengineering · Sustainable Development · Materials Science and Materials Engineering · Built Environment

Two Versions

The software is available in two versions, Granta EduPack and Granta EduPack Introductory. The Introductory version is intended for teaching first- and second- year courses, and contains a subset of the core data and tools within Granta EduPack.
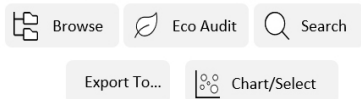
Core Materials and Process Data

Level 3 — 4000+ materials / 240+ processes
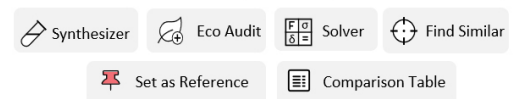Level 2 — 100 materials / 110+ processes
Level 1 — 65+ materials / 70+ processes

Introductory Data across Disciplines

Level 2 Bioengineering · Built Environment · Design · Level 2 Sustainability · The Elements · Materials Science and Engineering

Advanced and Industry-standard Data

Level 3 Eco Design · Level 3 Polymer · Level 3 Sustainability · Level 4 Aerospace · Level 3 Bioengineering

Introductory Tools to Understand and Visualize

Browse · Eco Audit · Search · Export To... · Chart/Select

Advanced Tools for In-depth Comparison and Design

Synthesizer · Eco Audit · Solver · Find Similar · Set as Reference · Comparison Table

Ansys Granta EduPack Introductory

Ansys Granta EduPack

Levels

Granta EduPack provides engaging, interactive and visual software. The data and tools within Granta EduPack are divided into three levels. This allows a progression from simple browsing and exploration using a small number of records to advanced selection using very large databases of material and process attributes.

Support and Inspiration

The Ansys Academic team delivers expert advice and technical support. Regular web seminars keep the materials education community updated. Free quarterly industrial case study sessions provide teaching inspiration.

Granta EduPack also complements many leading materials textbooks used in courses worldwide. Visit the Ansys Education Resources site to view over 200 resources developed by the team and academic collaborators to support educators using Granta EduPack in their teaching.

Ansys Education Resources: www.ansys.com/education-resources