SOLIDWORKS STUDENT ACCESS PRODUCT MATRIX

SolidWorks Student Access offers a range of solutions to SolidWorks Education Edition customers – giving them the freedom to get SolidWorks into student's hands. Please review the product matrix to determine the right solution.

Subscription service required for Student Engineering Kit (SEK) & Student Design Kit (SDK); Network License Borrowing available to both subscription and non-subscription service customers. Product features are as outlined below.

3D DESIGN PRODUCT FEATURES	Student ENGINEERING Kit	Student DESIGN Kit	Network License Borrowing
Part and Assembly Modeling			
3D Solid Modeling	●	●	●
Large assembly design capabilities	●	●	●
Advanced surfacing	●	●	●
Sheet metal	●	●	●
Weldments	●	●	●
Mold Design	●	●	●
Read PCB data as 3D parts	●	●	●
Direct model modification	●	●	●
Full ECAD-MCAD data exchange	●		●
Piping/tubing Design	●		●
Electrical Cable/Harness design	●		●
2D Drawings			
Automatic Drawing View Creation	●	●	●
Automatic Drawing View Updates	●	●	●
Dimensioning	●	●	●
Annotation	●	●	●
Bills of Materials, cut lists	●	●	●
Automatic hole tables, weld tables, and pipe bending data	●	●	●
International standards support	●	●	●
Drawing Control (compare)	●	●	●
Standards Checking	●		●
Flattened harness drawings	●		●

3D DESIGN PRODUCT FEATURES

	Student ENGINEERING Kit	Student DESIGN Kit	Network License Borrowing
Design Reuse and Automation			
SolidWorks Search	●	●	●
Design Automation	●	●	●
Configurations	●	●	●
Design Library	●	●	●
3D Models from Suppliers	●	●	●
Smart Components and Smart Fasteners	●	●	●
Standard Component Library	●		●
Task Scheduler	●		●
Animations and Rendering			
Assembly animation	●	●	●
Walk-through/fly through animations	●	●	●
Photorealistic rendering	●		●
Design Validation and Simulation			
Collision and Interference Detection	●	●	●
Hole Alignment checks	●	●	●
Check manufacturability	●	●	●
Fluid flow simulation	●	●	●
Sustainability	●	●	●
Draft and undercut analysis	●	●	●
Tolerance stack-up analysis	●		●
Kinematic motion simulation	●		●
Structural validation	●		●
Collaborate and Share			
Import/export	●	●	●
3D for rapid prototyping	●	●	●
Utilize 2D DWG/DXF data	●	●	●
Protect design information while sharing	●	●	●
eDrawings	●	●	●
eDrawings Professional	●		●
Feature recognition	●		●
Data Vaulting and revision control	●		●
Import scanned data	●		●

SIMULATION PRODUCT FEATURES	Student *ENGINEERING* Kit	Student *DESIGN* Kit	Network License Borrowing
Analysis			
Assembly Simulation	●		●
Mechanism Analysis	●		●
Event-Based Motion	●		●
Compare and Optimize Design	●		●
Simulate Natural Frequencies	●		●
Predict Buckling or Collapse	●		●
Simulate Heating or Cooling	●		●
Simulate Drop Test	●		●
Simulate Fatigue	●		●
Simulate Plastic and Rubber Components	●		●
Simulate Composites	●		●
Simulate Forced Vibrations	●		●
Nonlinear Dynamics	●		●
Fluid Flow Simulation	●	Xpress Only	●

SUSTAINABILITY PRODUCT FEATURES	Student *ENGINEERING* Kit	Student *DESIGN* Kit	Network License Borrowing
Environmental Impact Dashboard with Key Indicators	●	●	●
Seamlessly integrated with SolidWorks interface	●	●	●
Environmental Impact Estimates of Parts	●	●	●
Material Selection Tool	●	●	●
Customizable Reports	●	●	●
Establish Baseline to Compare Design Decisions	●	●	●
Baseline Comparison Report	●	●	●
Environmental Impact Estimates of Assemblies	●	●	●
SolidWorks Configuration Support	●		●
Input "Use Phase" Energy	●		●
Specify Primary Transportation Type	●		●
Report Includes BOM with Best/Worst Components	●		●
Assembly Visualization Support	●		●

DATA MANAGEMENT PRODUCT FEATURES	Student *ENGINEERING* Kit	Student *DESIGN* Kit	Network License Borrowing
Secure Access	●		●
Revision Control	●		●
Find Files	●		●
Scalability			
Custom Configuration			
Find and Reuse Design Data			
Full Document Preview			
Distributed Design Teams			
Remote Access			
Automated Approval Process			
Audit Trail			
Share with outside partners			
Collaborative comments			

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