Car Manufacturing

Use modern manufacturing techniques to design and build a new concept car.



Assembly Lines

Assembly Lines and the Industrial Revolution (Social Studies) Making your Quota (Math)

Control It (Science)

Assemble Something Different (English)



Innovative Materials

Fabric 2.0 (English)

Rubber Meets the Road (Social Studies)
Unbreakable (Science)

Wear and Tear (Math)





Paint Technology

By the Bucket (Math) Color Your World (English)

Perfect Coat (Science)

Rust and Society (Social Studies)



Test Track

Design Matters (Science) Length vs Speed (Math)
Start Your Engines (English)
Test Track Disney Style (Social Studies)



Automation Mechatronics

Digital Decision Making (Math) Jack of All Trades (English)

Real Life Autobots (Science)

Why Now for Mechatronics? (Social Studies)



Mechanical Drafter

Aerodynamics in Action (Science)
From the Page to the Track (Social Studies)
Reality – The Simulation (English)

The Magic Number (Math)

Mechanical Drafters Work Through the Details (Video)



Automotive Designer

Groundbreaking Design (Social Studies)

If You Can Dream It (English)

Making It Go – How an Engine Works (Science)

The Great Shape-Up (Math)

Automotive Designers Invent the Future of

Transportation (Video)



Welder

Arcs to Sparks (Science) • Artistic License (English)

The Cost of Design (Math)

Forging Ahead (Social Studies)

Welders Assemble Our World (Video)



Safety Administrator

Anatomy of an Accident (Science)

Crash Test Dummies (English)

Roof Strength Test (Math)

Safety in the Factory (Social Studies)

Safety Administrator Keeps You Safe (Video)



Manufacturing Technician

Communication in Manufacturing (English)

Get It Right – Calibration (Science)

Meeting Demand (Math)

Quality Assurance (Social Studies)

Learn About a Manufacturing Technician(Video)