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The following is a brief outline of how various departments at MCC could work together to build a T-Rat Formula Roadster to create a real-world context that coordinates different technologies and disciplines around a common objective.

MCC DEPARTMENTS

1. MEDIA & COMMUNICATION ARTS

This department supplies design themes for color coordination, car body graphics (including pinstriping - you do have a course for that!), automotive interior design, and lifestyle products (like Harley-Davidson does) including hats, shirts, jackets, and etc. They could also provide designs for predetermined hard parts like shifters, windshield posts, aircleaners, and dash panels.

2. AUTOMOTIVE TECHNOLOGY

This department rebuilds cylinder heads and/or complete engines. They could get involved in all aspects of the drivetrain components from evaluation to rebuild including the transmission and rear axle.

3. BUSINESS MANAGEMENT

This department puts together a simulated management system to track costs and provide project coordination.

4. APPLIED TECHNOLOGY & APPRENTICESHIP

This department provides the welding, fabrication, advance machine tool capabilities to construct the actual car.

5. MANUFACTURING ENGINEERING

This department provides jig and fixture detailing and design.

6. MARKETING

This department provides target market study, fund raising, and simulated sales plan.

7. PRODUCT DEVELOPMENT

This department provides computer modeling and CAD capabilities.