

Chemawa Motor Company, Ltd.

Lots of students drive cars to school. Quite a few like to experiment with and repair them. But how many schools give students a chance to build them? Chemawa does.

The Chemawa Motor Company, Ltd. produces go-carts. The company is the result of an industrial education project, in which the shop, drafting and mechanics classes have combined their talents.

Ten carts have been built by students involved with the project, that, according to Mr. Moncrief, provides some kind of work for everyone involved. The metal shop students, 45 of them, do most of the actual construction.

The small engine shop is in charge of overhauling and rebuilding the old lawnmower engines that are used as power for the carts. The mechanical drawing students develop and work on the plans. The auto shop will have charge of future upkeep. Finally, students in the driver education classes will have an opportunity to gain some driving experience in the carts.

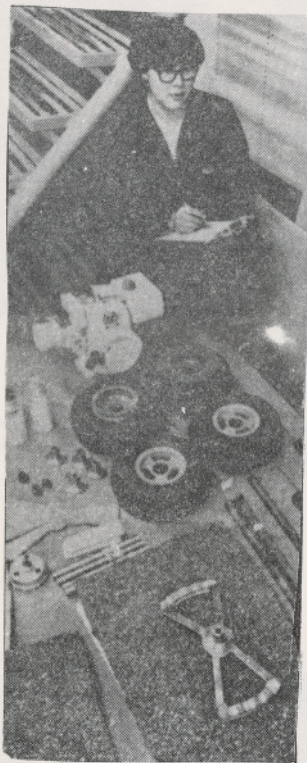
The ten carts will also be available for money-raising projects by clubs and organizations at Chemawa. The clubs will be able to buy the carts, which cost roughly two hundred dollars each to build, and rent them for

student use to raise money for projects.

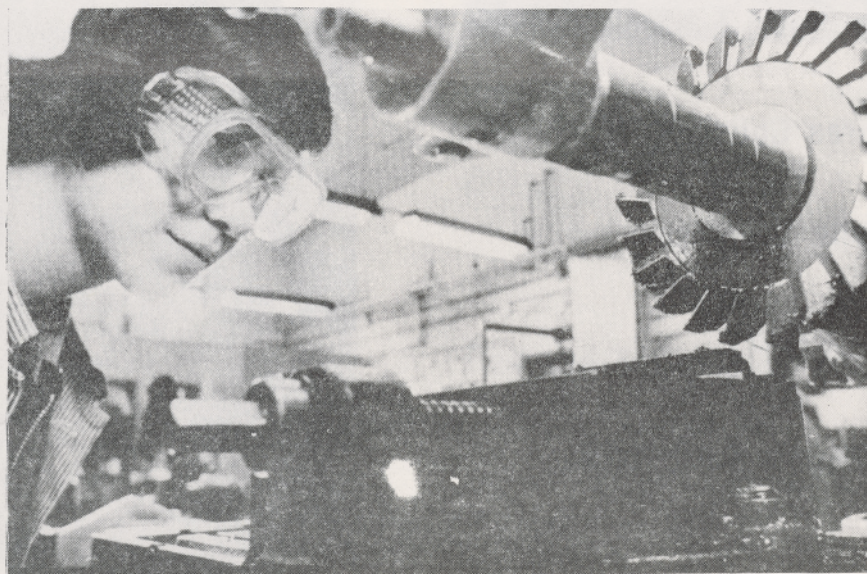
Plans for a track located in the southeast area of the campus are being developed. Mr. Moncrief explained that strict safety procedures would be followed. Bodies and steering wheels for the cart are to be constructed of aluminum by the students. The engines will produce a top speed of less than forty miles per hour. Upholstered seats will be installed and all student drivers will have to wear crash helmets.

The whole project began when the industrial education department decided to search out a project that would involve students from different classes and would produce something that would be useful to every pupil in the school. "This project," Mr. Moncrief emphasized, "uses all the basic processes that you find in industry."

The original idea and design for the carts comes from *Science and Mechanics Magazine*. The design was modified to add additional safety features, such as a roll bar and dual brakes. The students have been enthusiastic about building the carts and the whole student body is looking forward to the opportunity to drive them.



Billy Tagarook checks off the parts which are ready to be assembled for the next go-cart.



Phillip Lestenkoj demonstrates his skill in running the milling machine.