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BUSINESS

INSTRUCTION



Dan Taglis, owner and founder of American Robotics Academy in the west Houston area, works with students about robotics and lis considering Parishishing his operaflob Wood and Carilly Walk in his workshop. The former

Reb Wood and Carlin Wak in his workshop. The former son in the Auture.

Demand for

robotics really moving

TEACHING CHILDREN BECOMES FULL-TIME OPERATION, WITH POSSIBILITIES FOR EXPANSION TAKING REPLANT THEORY OF THE WAREN TO FREE THE WAREN TO FREE THEORY OF THE WAREN TO FREE THEORY OF THE WAREN THE WAR

By DAVID KAPLAN Houston Chronicle

HILDREN at the American Ro-

gears, motors, wheels, ades, pullsys, microcomputers and pneuma ics.

The program teaches them much more than engineering, owner Dan Taglia said: "It's getting kids excited

ing experience."

And, of course, they like buttling each other's robots.

Taglia almost single-handedly runs

each other's robots.

Taglia almost single-handedly runs
his robotics summer camps, for first
grade through high school-aged children, and he teaches an after-school

School District. He tought almost 300 children last summer.
His robotics camp in the west Hous ton area has become so popular that he soked himself: Way not multiply them? His plan is to set up camps in four nature of Houssian and him second.

His fledgling robotics academy has great potential, but he seems to be in a Catch-42. His students and their purents love what he's doing, but much of the program's success is tied to bit teaching with

There is definitely interest among purents for 'Inglia to branch out. A dentist with an office near Hobby Airport offered to give him space for free if he taught robotics there, 'Inglia'

said.
"He's got a tremendous opportunity

Company: American Robotics Academy Location: West Houston

Web site: www.roboticsacademy.com

Service: Teaches children and teanagers how to build robots. Challenge: Owner Dan Taglia wants to senand his presence heared in

Solution: He closely tend to his sixie.

Solution: He plans to recruit science teachers and graduate students to help expand his operation.

Expert advice: Try franchising.

and predicament," said Ira Devidson, executive director of the Small Business Development Center at Pace University in New York City.

Ideally, he could clone himself. Davidson said.

"The question is: Can be replicate himself, or will too much get lost in translation?"

He's not to be careful as he grow

translation?"

He's got to be careful as he grows and make sure the people he haves are well-trained and able to convey enthusiasm for the subject as he does

Taglia agreed that finding good teachers is his main challenge. He plans to recruit local science teachers as well as engineering except at the students at Bios. Discount He wants to find people who still have some kid in them, he said, and are willing to get down on the floor with students and get involved. Such teaching requires tolerance and patience.

Taglia might consider franchising, Davidson said. It would increase the

possibility that the person who runs cere of his camps is deficiated. Irwin Miller, a counselor with SCORE, a group of retired executives who advice small business owners, also believes frunchising is a good ap proach. For starters, he would get a

fee and a percentage of his franchisees' income, Miller said.

He should make sure he has his name, American Robotics Academy, protected. It is, Taglia said.

Tudia has a sood-looking Web site

at www.roboticss.caderry.com, which will also serve him well if he chooses to become a fruschisor, Miller said. Taglia had already thought of franchising, but he believes it would be wise to first establish two or three ro boties camps. He is already getting calls from

people in other cities asking him to open a robotics academy in their areas.

Along with teaching after-school

Along with teaching after-school grograms, Taglia hopes he can hook up with public and private school science classrooms as a facilitator. His function would be to provide curricu-

the kids fired up and let the teacher take it from there."

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Tastia could also market himself and pick up extra money doing dem other events. Miller said

Taglia has taught robotics to hun dreds of Houston children, yet he has no background in science or engi He was previously a senior photog

rapher for Conoco. He got the idea for the academy after he was assigned to cover an international high school robotics competition five years

> every part imaginable." Rarley is a leader of a team that has created a robot that will perform tasks on a simulated More Team member Carlin Valk, 12, did research on the Red Planet and wrote a report describing the surface

> and atmosphere of Mars and much Taglia prefers having his students work in odd-numbered groups. That way, when they disagree on something, they can take a vote

Many children today don't have computers. His classes are an opportunity to learn teamwork. Some par

Conoco. He had already been thinkins Taglia decided to organize a two-week summer camp on his vacation time the academy It wasn't about the money, he said. Now. Tarlia also teaches relactics to "It was more the Boy Scoot leader home-schooled children in the day as About three years ago he invested headquarters in a west Houston-area \$1,000 in Lego materials and rented

hours of instruction. About 30 children.

money, but he got very positive feed

The following summer he had a

About a year ago he got laid off at

"He's taught me a lot," said Chris

for enrolling their children. "This is a place where they can fail." Taglia said. "We even encourse it." It's part of the scientific process. Three boys from Louisiana took the

He took along his son Joshus, then

Taglia looked but couldn't find amy-

place in town where younger children

A former college photography in-

had played with Lesros with Joshua

space at a Katy church. To advertise.

he put up road signs in the area. He charged \$125 per child for 15

could learn robotics.

After returning to Louisiana, one of the proud robot builders e-mailed Taglia with a message he asked him to convey to the other children. "Tell them these exact words and I

quote: ... 'Our robot is special because of one thing .. STRENGTH, we have a 15-1 and/or 9-1 sear ratio. therefore we had the power and the know-how to make it a mother shin " Tell them that Mr Dan"