Cabot Public Schools

2019-2020

Alternative Methods of Instruction

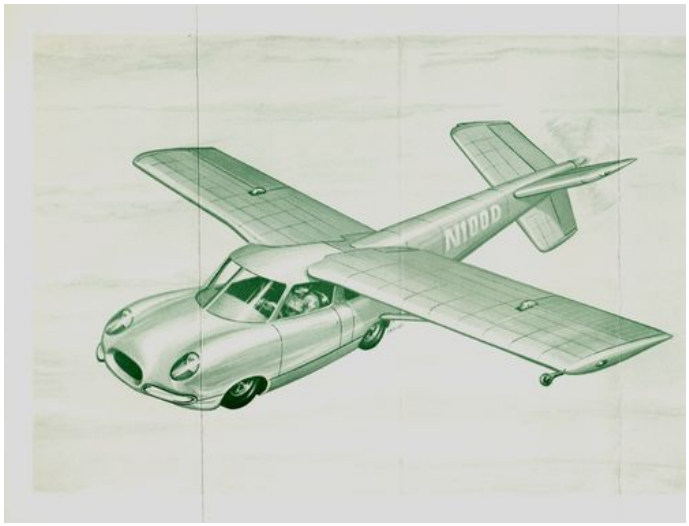
Name:_____ Date:_____

4th Grade AMI Work #4

Your child will have 5 days to complete and return this to his/her teacher to get credit for the day. If you need more time, please let the teacher know.

When Will We Have Flying Cars?

People have been trying to build a flying car for a long time. So far, no one has been able to get a car off the ground safely. But engineers keep trying!



One problem is that flying cars need wings. The wings must be **designed** so they will not stick out into other lanes of the road. Engineers are looking for solutions to that problem.

Two kinds of flying cars are being developed that may solve the problem. One type is called *the Transition.* It has rotating blades that spin and lift the car. Those blades fold flat against the sides when the car is on the ground.

Another kind is named the *Skycar*. It has large propellers. These propeller wings fold up and can be packed in the car's trunk.

Flying cars will not just fly up from the road. They will have to take off from an airport runway. Still, some people are eager to have one of their own. Nobody is sure when flying cars will be available, but one company already has a hundred customers waiting for one.

So fasten your seat belts, and get ready for takeoff. Someday, cars may be on the road *and* in the air!

1. Identify the problem engineers are trying to solve to make flying cars.

_____

_____

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_____

2. Use the chart to contrast the wings of the Transition car and the Skycar.

	Differences in Wing Design
Transition Car	
Skycar	• Large propellers • Wings fold up and can be packed in the car's trunk

3. What does the word **designed** mean in the passage?

a. Planned and built

b. Color added

c. Thrown away

Math

* A **multiple** of a number is the product of that number and any whole number. The first five multiples of 3 are 0, 3, 6, 9, 12. **Factors** are numbers that are multiplied together to get a product (e.g., 4 x 2 = 8, so 4 and 2 are factors of 8.)

* List the **multiples** of 7 to 70: _____

*List of **multiples** of 9 to 90: _____

*List the **factors** of 24: _____

*List the factors of 36: _____

Solve: A carton of markers arrived for art class. There are 12 markers in each pack. There are 48 packs in one carton. How many markers are there? Use words and/or numbers to justify your answer.

Counseling

Describe a time when you have done something you are proud of: (made a good grade on a test, helped a friend, did something nice for someone)