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Headteacher: Mr. Aaron Wanford MA, B.Ed. (Hons), NPQH

Friday, 14th September 2018

**Home Learning Project for Autumn 1:
All Aboard! – Design a transport vehicle of the future**

Dear Parents and Carers,

Each half term the children will complete a home learning project that encompasses many aspects of our varied curriculum through the chosen topic for that half term. This half term the topic is 'All Aboard!' and through this the children will explore the history of transport, the life of Christopher Columbus and the design, make and evaluate cycle of Design and Technology. The home learning project will support the learning that happens during school time and allow it to continue at home. An **example of the project** will be shown to the children and attached to this email for your reference.

The project for this half term is to **design a transport vehicle of the future**. The children may choose which vehicle they would like to design and it could be a car, train, boat or plane. The project should be completed in their home learning books that they have taken home today.

The following **must** be included in the project:

- A 3D model of the vehicle itself
- A detailed and labelled drawing
- A descriptive piece of writing that includes discussion of the vehicle's features
- Measurements for the car, how many passengers it can hold and its speed

These are the basics that must be included in the project, however, it is not limited to this and I would actively encourage the children to be creative in adding to the brief, for example, they may choose to write an advert to market their vehicle. Throughout the half term the children will be learning about different things that will support them in completing their project. Please encourage them to use their learning in the classroom to inform their home learning project.

The finished project will need to be handed in to me **by Friday 12th October**. I am looking forward to seeing some amazing designs and ideas for the future! We would also like to invite you in on **Monday 15th October at 3.00pm** to join in the celebration of the children's projects and to give them a chance to share their hard work and efforts.

Thank you for your continued support with this, and if you have any further questions about the project, please do come and speak to me.

Yours faithfully,
Miss. C. Imbriano

Miss. V. Gardiner

Example project



3D model of my Green Machine

The Green Machine

The amazing green machine is the new and environmentally friendly train of the future. It has many features that make it kind to the environment and great for travel. There are tables on the train that turn into beds at the touch of a button, so you can eat your food and then go to sleep straight away without moving rooms. This is handy if you are on a long journey.

Amazingly, the train runs on food waste! Robots collect the food waste from houses and take it straight to the engine room of the Green Machine. It doesn't need wheels because it hovers above the tracks and can even hover over rivers and lakes.

The Green Machine is the fastest train that has ever been built and it's the cheapest to ride. Pets are allowed on free and they even get free treats to make their stay enjoyable.

Length of the Green Machine:	102m
Height of the Green Machine:	4m
Maximum speed:	250mph
Total number of passengers the Green Machine holds:	645

