



In this diagram we have a main abstract class named **Article** which has all the common parameters among the articles, such as brand, model, bprice (base price) or energeticp (energetic performance). And has some functions such as **AmountToPay** (abstract) or **CalculateDiscount** (based on the energetic efficiency of two Articles) that are also common for all the articles.

Then, we have the class **Television**, which has as unique parameter screen and inherits the rest from **Article** class.

We can also see another abstract class named **Appliance**, which inherits the parameters and functions from **Article** and adds new parameters like dimensions, which is a array of three doubles (x, y, z), and weight. Those parameters are common for **Washing Machines** and **Refrigerators**, which are the classes which inherits from **Appliance**, but have a different implementation for the **AmountToPay** function.