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| **Statement** | **Testable/ Not Testable** | **How to Make it Testable** |
| Do fingers wrinkle faster in hot or cold water? | Put finger in hot water, capture the Time when finser wrikls – T1  Put finder Hot water – T2  If T2 > t1 - |  |
| How do cat's meow? | Pull the leaft ear – If cat meows –  Plull the right ear – cat meows  Fill the milk in feeding bowl – cat meows?  Show a rat to the vcat – Meows? | Will the cat mewo if I pull the ear.  Will the cat meow if I give him milk  Will the cat meow if it sees a rat. |
| What makes plants grow? | Grow plants in light,dark,water,soil type. | Does Light make plant grow?  Does Water make plant grow?  Does soil type makes plant grow? |
| Does soil type affect plant growth? | Grow plant in diff soil type and compare the growth. |  |
| How do kites work? | kites in wind,kites shape | How does wind speed affect kite flight?  Does kite shape affects kite flight? |
| Does Pepsi have more carbonation than Coke? | Carbonation level in pepsi – T1  Carbonation level in coke – T2  T1>T2 –pepsi has more carbonation. |  |
| What makes something sink or float? | Not Testable | Does density determine if an object sinks or floats?  Does shape determine if an object sinks or floats?  Does working machanism determines if an object sinks or floats? |
| Does the saltiness of water affect how fast it freezes? | Water with more salt concentration – T1(check time to freeze)  Water with less salt concentration – T2(check time to freeze)  T1>T2 t2 freezes soon |  |
| Does the temperature of the air impact how high a basketball bounces? | Bounce the basketball in low temperature and check the height – T1  Bounce the basketball in high temperature and check the height – T2  T1< T2. Bounce more at high temperature. |  |
| Can I design a device that attaches my skateboard to my bike? | Sketch the ideas and then design to check whether it works. |  |
| Does the amount of tv people watch affect their school attendance? | Collect the data by doing the survey and analyse the number of people watching tv and the attendance. |  |
| Can differently scents in the room affect how long people sleep? | Spray different scents in the room and monitor the duration of sleep.  S1>S2  Scent 1-more sleep  Scent 2-less sleep |  |
| When will fossil fuels run out? | Not Testable | How has fossil fuel consumption changed over time?  How much fossil fuel remains? |
| How do batteries work? | Not Testable | This battery is Chargeable or not?  What is the voltage of this battery? |
| Why is the colour blue calming? | Not Testable | Does exposure to the colour blue reduce stress levels?  Is blue is the colour liked by of the people? |
| Does using emojis make people happy? | Conduct a study where people text with and without emojis. |  |
| Can I solve the problem of my grandfather finding his way to the bathroom at night without turning on a light? |  | Does the guiding device help the grandmother find her way to the bathroom at night? |
| Does eating school lunch affect how alert people are in their afternoon classes? | Observe students who eat school lunch vs. those who don’t. Use attention tests or teacher surveys in afternoon classes. |  |
| Does having plants in a house reduce the carbon dioxide level in the house? | Measure CO₂ levels in rooms with and without plants over time using CO₂ sensors. |  |
| Can I create a backpack/umbrella combination? | Make a design integrating both and check for the comfortness. |  |
| Why am I awesome? | Not Testable | Do my eyes look Awesome?  Does my dress look Awesome? |
| Why are Reese’s Cups so good? | Not Testable | Is Reese’s Cups being good because of its taste?  Is Reese’e Cups being good because of its smell? |
| Why is our galaxy moving? | Not Testable | What makes our galaxy move?  What are the scientific explanations for the motion of the Milky Way galaxy? |
| Why do people watch tv? | Not Testable | Why school students watch TV?  Why middle age people watch TV?  Why old age people watch TV? |