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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 cats 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? | Water the plant – plant grows?  Mix manure in the plant soil – plant grows? | Will the plant grow if I water it?  Will the plant grow if I mix manure in soil? |
| Does soil type affect plant growth? | Keep the plant in loamy soil , observe the growth – T1  Keep the plant in clay soil, observe the growth – T2 |  |
| How do kites work? | Blow wind into kite – kite works?  Throw kite – kite works? | If I blow wind, will kite work?  If I throw kite, will kite work? |
| Does Pepsi have more carbonation than Coke? |  |  |
| What makes something sink or float? | Add weight to it – it floats?  Reduce weight to it –it floats? | If I add weight to it will it float?  If I reduce weight will it float? |
| Does the saltiness of water affect how fast it freezes? | Freeze the water with lesser salt content and capture the time when it freezes – T1  Freeze the water with more salt content and capture the time when it freezes – T2 |  |
| Does the temperature of the air impact how high a basketball bounces? | Make the Bounce in a room with higher temperature and measure the maximum height the ball reaches – T1  Make the Bounce in a room with lower temperature and measure the maximum height the ball reaches – T2  If T1>T2 |  |
| Can I design a device that attaches my skateboard to my bike? | Gather raw materials to design the device  Buy equipment to design the device | What is the materials needed to make the device.  What are the equipment needed to design the device |
| Does the amount of tv people watch affect their school attendance? | Make more people watch Tv  Make less people watch TV | Will more people watching will affect attendance  Will less people watching will affect attendance |
| Can differently scents in the room affect how long people sleep? | Fill the room with pleasant smell and record the duration people sleep – T1  Fill the room with unpleasant smell and record the duration people sleep – T2 |  |
| When will fossil fuels run out? | Use the fossil fuel daily | Will the fossil fuel run out if we use it daily? |
| How do batteries work? | Put the battery on charge – works? | Does the battery work when we put it in charge |
| Why is the colour blue calming? | Paint a room in blue – Calming? | Does a room in blue color calm a person |
| Does using emojis make people happy? |  |  |
| Can I solve the problem of my grandfather finding his way to the bathroom at night without turning on a light? | Fix iot lights – problem solved? | Will fixing iot light solve the problem? |
| Does eating school lunch affect how alert people are in their afternoon classes? | Eat lunch - | Does eating lunch affect people afternoon? |
| Does having plants in a house reduce the carbon dioxide level in the house? | Have plants  Do not have plants | Having plants decrease carbon di oxide?  Not Having plants increase carbon di oxide? |
| Can I create a backpack/umbrella combination? | Gather raw materials to design the device  Buy equipment to design the device | What is the materials needed to make the device.  What are the equipment needed to make it? |
| Why am I awesome? |  |  |
| Why are Reese’s Cups so good? |  |  |
| Why is our galaxy moving? |  |  |
| Why do people watch tv? | Play Drama – people watch tv?  Play series – People watch TV? | Does playing drama makes people watch tv?  Does playing series makes people watch tv? |