Unit Planning Sheet- Part 4 Activity Schedule. Unit Title \_Forces & Simple Machines\_

Term**\_\_\_ Date \_\_\_\_\_\_\_\_**

| No. | Date | Tchr | Teaching/Learning Activities | Target: Skill/Idea |
| --- | --- | --- | --- | --- |
| 1-2 |  |  | What do I- Know/ Wonder/ Learn | Intro & inquiry |
| 3 |  |  | **Friction** Exp -  | Friction, Exp.  |
| 4 |  |  | **Kinetic** Exp & Correct & Catch up **(C&C)** | Poster write up & Correct & Catch up /enrich. Do Kinetic |
| 5 |  |  | **Inclined Plane**  | Distance into force, write up. |
| 6 |  |  | C&C; **Force Bal & Unbal -** remain at rest or motion; external force | 1. Change only one variable. 2. Unbalanced forces change motion, balance forces maintain motion  |
| 7 |  |  | **Screw** demo during catch up (meas dist. Ratio only) - & Lever | Distance into dist/ & Leverage Ratio |
| 8 |  |  | **Wedge** Demo & C&C -or March 2nd | 1.Wedge & C&C  |
| 9 |  |  | **Wheel & Axle** Activity vs. Roller; Enrich: If roller in slope or 1st friction Activity | Distance into dist & Roller |
| 10 |  |  | C&C Find **leverage** of all simple machines **Compound** machines | Mech Adv. (Ratio) of kinds of SM & uses & Enrich: Leverage by division or multiply2. Compound machines |
| 10 |  |  | **Quiz** & design to imaginary task | Preview quiz. & Design task |
| 11 |  |  | Compare **pulleys** &C& C Design to task | Pulleys change distance to force & change direction  |
| 13 |  |  | **Lever** parts, activity - Enrich- Id 1st, 2nd, 3rd cl. lever | Mech Adv; L\*W=L\*W, & Levers change direction  |
| 14 |  |  | Lever Due: Complete Design; C&C & Enrich: calc. leverage in compound | C&C & compound mach. |
| 15 |  |  | Final **Test**: Final Sc Exp- Project -?? | Eval & Exp Design  |
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**Materials/Notes:**

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