

EXTREME STEAM SCIENCE SNAPPY INVENTION KIT GRADES 4-9

This schedule is put together in a sequential order of easy to more difficult lessons. Use each lesson as a guide to prepare for each class. Campers will become familiar with how to use the different Snappy pieces by following the camper worksheets that come with each lesson. These worksheets can be found when clicking the red oval marked student materials. You are encouraged to use the worksheets to help campers organize their thoughts and work like an engineer. The illustrated worksheets have different designed projects that coincide with the lesson. Always feel free to give more or less time depending on the degree of difficulty and what the campers need. You can also use your own creativity to create an experience once you feel comfortable with the Snappy kit. Make sure to review each lesson well in advance of the class in order to have the materials needed for the lesson. Staff must practice putting together each project in the student material section in order to understand what the campers will be confronting. Always feel free to call Extreme Steam if you have a question. 631-499-8580.

WEEK	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1	Teach campers how to use Snappy parts	Intro lesson: Experiment using different clips	Intro lesson: Steps 1-3 camper worksheets	Camper worksheets	Campers build their own design
2	Lesson 1-Design Process. Steps 1-3 Camper worksheet	Lesson 1-Use moving parts. Camper worksheet	Lesson 1 Camper worksheets	Lesson 1 Camper worksheets	Lesson 1 Build something with moving parts
3	Lesson 2-Simple machines. Steps 1-2	Lesson 2 Camper worksheets	Lesson 2 Camper worksheets	Lesson 3 Campers create their own simple machine	Lesson 3 Continue designing a simple machine
4	Lesson 4-Not so simple machine. Camper worksheet (linkage)	Lesson 4 Camper worksheets (linkage)	Lesson 4 Camper worksheets	Lesson 4 Campers design a not so simple machine	Lesson 4 Continue designing
5	Lesson 5-Part 2 Not so simple machines up cycling Camper worksheets	Lesson 5 Camper worksheets	Lesson 6 Wheeled Wonders Camper worksheets	Lesson 6 Use recycled materials in your machine	Lesson 6 Continue with camper's design
6	Lesson 7 & 8 Motorized Motion Camper worksheets	Lessons 7 & 8 Camper worksheets	Lessons 7 & 8 Camper worksheets	Lessons 7 & 8 Campers design their own Wheeled Wonder	Lessons 7 & 8 Continue designing
7	Lesson 9 Steps 1-3	Lesson 9	Lesson 9	Lesson 9	Lesson 9
CAMPERS WILL USE WORKSHEETS TO LEARN HOW TO BUILD A MOVING ROBO WALKER					
8	Lesson 10	Lesson 10	LESSON 10	Lesson 10	Lesson 10
CAMPERS WILL USE THEIR KNOWLEDGE TO CREATE THEIR OWN ROBO WALKER					