Recipe for Sustainable Science Curriculum Delivery Schedule

Day

Language Arts

Math

Science

Social Studies

Optional

Day	Language Arts	Math	Science	Social Studies	Optional	
1	**Define Sustainability** ***Understand the concept of sustainability***	**Triangle Triage** *Introduce decision-making tool*	**Recipe Rescue** *Playing with ingredients brings the concepts of Green Chemistry to life*	**Young Apprentice** *Introduce the simulation*	**Optional: What is it?** *Use PPT to define Green Chemistry*	**Totally Cubular** *Define and practice vocabulary related to Green Chemistry*
2	**Synonyms Simplify** *Define the 12 Principles of Green Chemistry*	**Rainbow of Colors** *Complete lab to develop formula for crayon colors*	**Lifecycle Lettering** *Complete lifecycle to understand feedstocks*	**The World of Chemistry** *Analyze the world without chemistry*	**Optional: History of Chemistry** *Create a skit on the development & use of chemicals*	
3	**Your Mission if You Choose to Accept It** *Write company mission statements*	**The Building Blocks of Green Chemistry** ***Reinforce principles through geometry activity***	**Production Practice** ***Utilize chemistry methods***	**Market Research** *Write surveys to gather information about final product*		
4	**Market Research** *Give surveys to gather information about final product*	**Market Research** *Graph results and analyze survey results*	**The Mark of a Great Crayon** *Analyze crayon colors*	**Oops I Did It Again** *Study regulations related to the chemical industry*	**Optional: Crayon Survey** teacher led market research option	
5	**Ads of Green** *Create ad highlighting green chemistry practices*	**Risk** *Complete risk/ benefit assessment*	**Breaking News** *Complete lab to understand PPM & toxicity*	**Opinion Activity** *Participate in human graph to share opinions*		
6	**Ads of Green** *Create ad highlighting green chemistry practices*	**Melt me** *Determine energy efficiency*	**Recipe Redo** *Students work on their recipe*	**Contamination, Contention, & Consensus** *Negotiate issue outcomes*	**Optional Production Line Woes** *Challenge students through production*	
7	**License to Label** *Develop package labels*	**Volume Variance** ***Understand volume and analyze volume efficiency***	**Mark of a Great Crayon Part 2**	**Contamination, Contention, & Consensus** *Negotiate issue outcomes*	**Optional The Great Debate** *Debate if chemicals are necessary*	
8	**License to Label** *Develop crayon labels*	**Volume Variance** *Understand volume and analyze volume efficiency*	**Shape Shifting** ***Develop unique molds for crayons***	**Contamination, Contention and Concensus**	**Optional The Great Debate** *Debate if chemicals are necessary*	
9	**Color of Your Crazy Crayon** *Use alliteration to develop color names & put final product together*	**Waste Management Math** *Categorize, weigh, and pay for waste disposal*	**Striving for Perfection** *Create final product*	**And The Award Goes To ...** ***Discover how green chemistry has already improved the world***	**Optional The Great Debate** *Debate if chemicals are necessary*	
10	**Ad-ing It All Together** *Present advertisements highlighting the 12 Principles*	**Waste Management Math** *Categorize, weigh, and pay for waste disposal*	**Selecting for Sustainability** *Give Green Chemistry Award*	**Greener Markets** ***Complete a self analysis of consumer habits***	**Optional: Silent Spring** *Literature Reading Guide*	

Recipe for Sustainable Science Curriculum Delivery Schedule

Day

Language Arts

Math

Science

Social Studies

1

I. 2

A. 3

1. 4

a. 5

(1) 6

(a) 7

i) 8

(1) 9

(a) 10

Define Sustainability ***Understand the concept of sustainability***

I. Synonyms Simplify

Define the 12 Principles of Green Chemistry

A. Your Mission if You Choose to Accept It

Write company mission statements

1. Market Research

Give surveys to gather information about final product

a. Ads of Green

Create ad highlighting green chemistry practices

(1) Ads of Green

Create ad highlighting green chemistry practices

(a) License to Label

Develop package labels

i) License to Label

Develop crayon labels

(1) Color of Your Crazy Crayon

Use alliteration to develop color names & put final product together

(a) **Ad-ing It All Together**

Present advertisements highlighting the 12 Principles

b. **Market Research**

Graph results and analyze survey results

(1) **Risk**

Complete risk/benefit assessment

(a) **Melt me**

Determine energy efficiency

i) **Volume Variance**

Understand volume and analyze volume efficiency

(1) **Volume Variance**

Understand volume and analyze volume efficiency

(a) **Waste Management Math**

Categorize, weigh, and pay for waste disposal

i) **Waste Management Math**

Categorize, weigh, and pay for waste disposal

Recipe Rescue

Playing with ingredients brings the concepts of Green Chemistry to life

I. **Lifecycle Lettering**

Complete lifecycle to understand feedstocks

A. **Production Practice**

Utilize chemistry methods

1. **The Mark of a Great Crayon**

Analyze crayon colors

a. **Breaking News**

Complete lab to understand PPM & toxicity

(1) **Recipe Redo**

Students work on their recipe

(a) **Mark of a Great Crayon Part 2**

i) **Shape Shifting**

Develop unique molds for crayons

(1) **Striving for Perfection**

Create final product

(a) **Selecting for Sustainability**

Give Green Chemistry Award

Young Apprentice *Introduce the simulation*

I. The World of Chemistry

Analyze the world without chemistry

A. Market Research

Write surveys to gather information about final product

1. Oops I Did It Again

Study regulations related to the chemical industry

a. Opinion Activity

Participate in human graph to share opinions

(1) Contamination, Contention, & Consensus

Negotiate issue outcomes

(a) Contamination, Contention, & Consensus

Negotiate issue outcomes

i) Contamination, Contention and Concensus

(1) And The Award Goes To ...

Discover how green chemistry has already improved the world

(a) Greener Markets

Complete a self analysis of consumer habits

Optional

Optional:

History of Chemistry

Create a skit on the development & use of chemicals

Optional:

Silent Spring

Literature Reading Guide

Optional

The Great Debate

Debate if chemicals are necessary

Optional

The Great Debate

Debate if chemicals are necessary

Optional

The Great Debate

Debate if chemicals are necessary

Triangle Triage ***Introduce decision-making tool***

I. **Rainbow of Colors**

Complete lab to develop formula for crayon colors

A. **The Building Blocks of Green Chemistry**

Reinforce principles through geometry activity

Optional:

What is it?

Use PPT to define Green Chemistry

Totally Cubular

Define and practice vocabulary related to Green Chemistry

Optional

Production Line Woes

Challenge students through production

Optional:

Crayon Survey

teacher led market research option