

Science & Engineering Remote Sensing Ready SET Go Collect & Display Poster

Prep & Setup Guide

Poster Components

All poster components can be printed on **8.5 x 11" paper**

There are PDFs for:

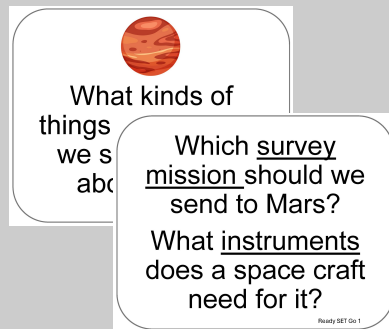
- **Poster Pages** to build the poster (pages numbered in lower right corner with corresponding adventure(s))
- **Poster Pages** with examples are for educator reference only and not intended to print.
- **Blank Pages** for more space or to build your own poster
- **Blank ¼ page cards** for learners to add additional terms, drawings, ideas
- **Term cards:**
 - Icon-only
 - Term + icon

Setup

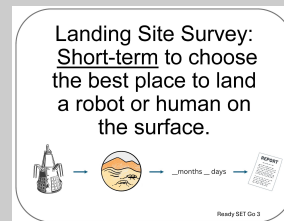
To set up the poster space, you will need a wall or whiteboard area of about **80" Length x 60" Height**

➤ Please see the following pages for setup examples. You may choose alternative layouts to fit your learning environment.

Poster Pages



Term Cards



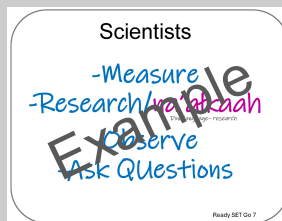
Term + icon

Blank ¼ page cards



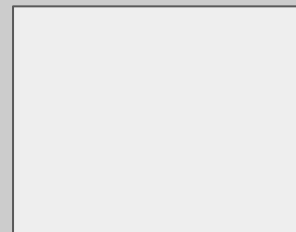
Intended for learner responses

Poster Pages With Examples



For reference only, Do not print.

Blank Pages



Other Materials:



Scissors



Masking Tape



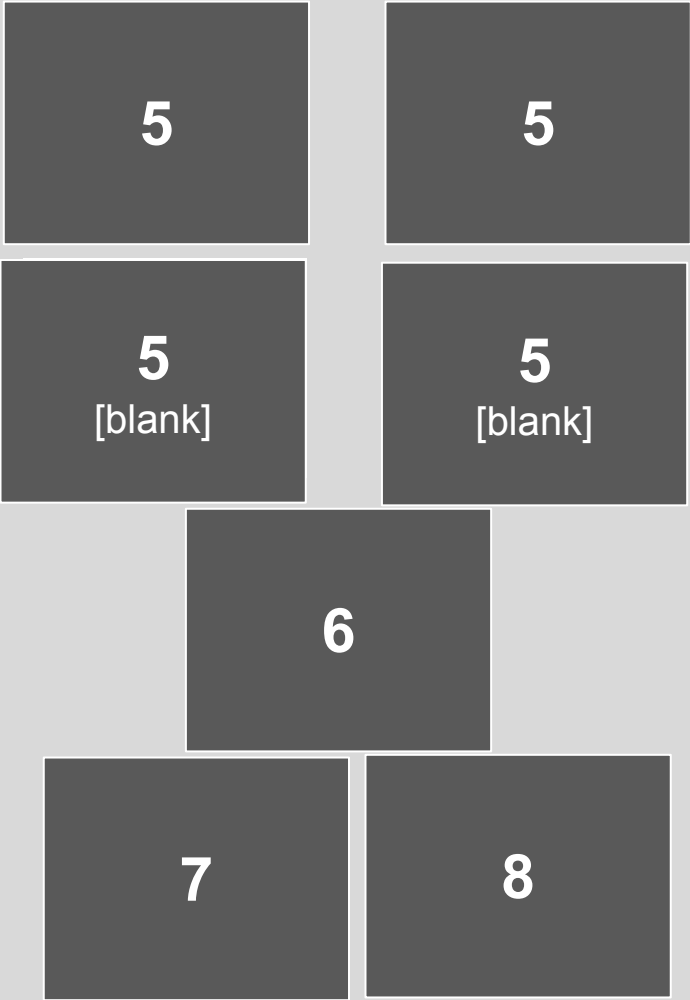
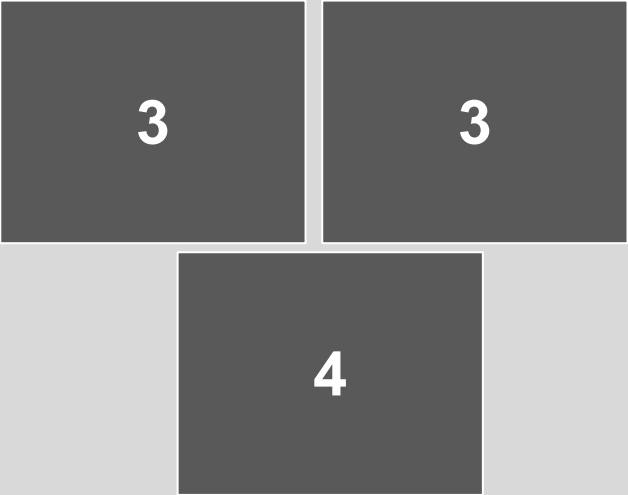
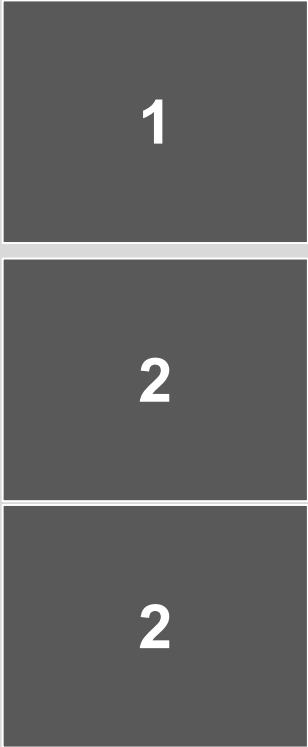
Tape



Markers

Poster Setup (In-Use Example)

Our Ideas about Remote Sensing
Ready SET Go




Poster Setup (In-Use Example)

Our Ideas about Remote Sensing
Ready SET Go

Which survey mission should we send to Mars?
What instruments does a space craft need for it?


Ready SET Go 1


What kinds of things do you think we should learn about Mars?

Ready SET Go 2


Ready SET Go 2

Landing Site Survey:
Short-term to choose the best place to land a robot or human on the surface.




Ready SET Go 3

Global Survey:
A long-term mission to explore and map a new planet or moon.



Ready SET Go 3

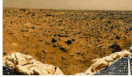
Resolution:



Higher Resolution Lower Resolution

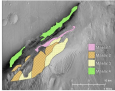
Ready SET Go 4

Physical Properties:
The shape & texture of a surface.



Ready SET Go 5

Composition:
What a surface is made of.



Ready SET Go 5

Ready SET Go 5

Ready SET Go 5

Criteria:
Things a successful design needs to do or have.



Ready SET Go 6

Scientists

Ready SET Go 7

Engineers

Ready SET Go 8

Poster Setup (In-Use Example)

Our Ideas about Remote Sensing
Ready SET Go

Which survey mission should we send to Mars?
What instruments does a space craft need for it?

Ready SET Go 1



What kinds of things do you think we should learn about Mars?

Ready SET Go 2

-What is Mars made of?
-Is there life on Mars?
-Can you grow food on Mars?


Ready SET Go 2

Landing Site Survey:
Short-term to choose the best place to land a robot or human on the surface.




Ready SET Go 3

Global Survey:
A long-term mission to explore and map a new planet or moon.



Ready SET Go 3


Resolution:



Higher Resolution Lower Resolution

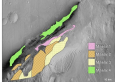
Ready SET Go 4

Physical Properties:
The shape & texture of a surface.



Ready SET Go 5

Composition:
What a surface is made of.



Ready SET Go 5

Describe what it looks like.
-shape
-color
-texture/*dich'itsh*

Thel language--art+research

Ready SET Go 5

-what it is made of?
-minerals
-chemistry
-carbon /*Káábin*

Thel language--carbon

Ready SET Go 5

Criteria:
Things a successful design needs to do or have.



Ready SET Go 6

Scientists

-Measure
-Research/*na'atkaah*
-Observe
-Ask Questions

Thel language--research

Ready SET Go 7

Engineers

-make bridges
-design
-build
-create
-model
-solve problems

Ready SET Go 8

Remote Sensing

Ready SET Go

Our Ideas Poster

Which survey
mission should we
send to Mars?

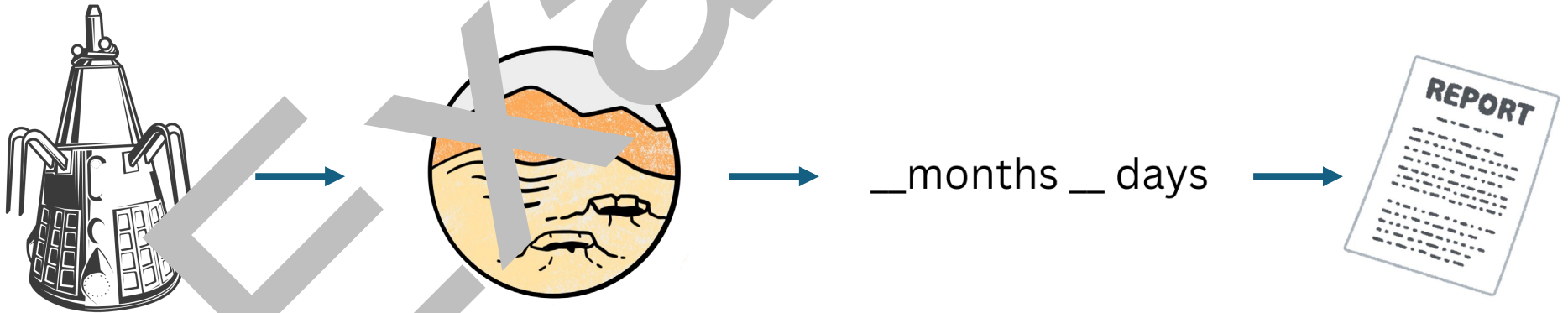
What instruments
does a space craft
need for it?



What kinds of
things do you think
we should learn
about Mars?

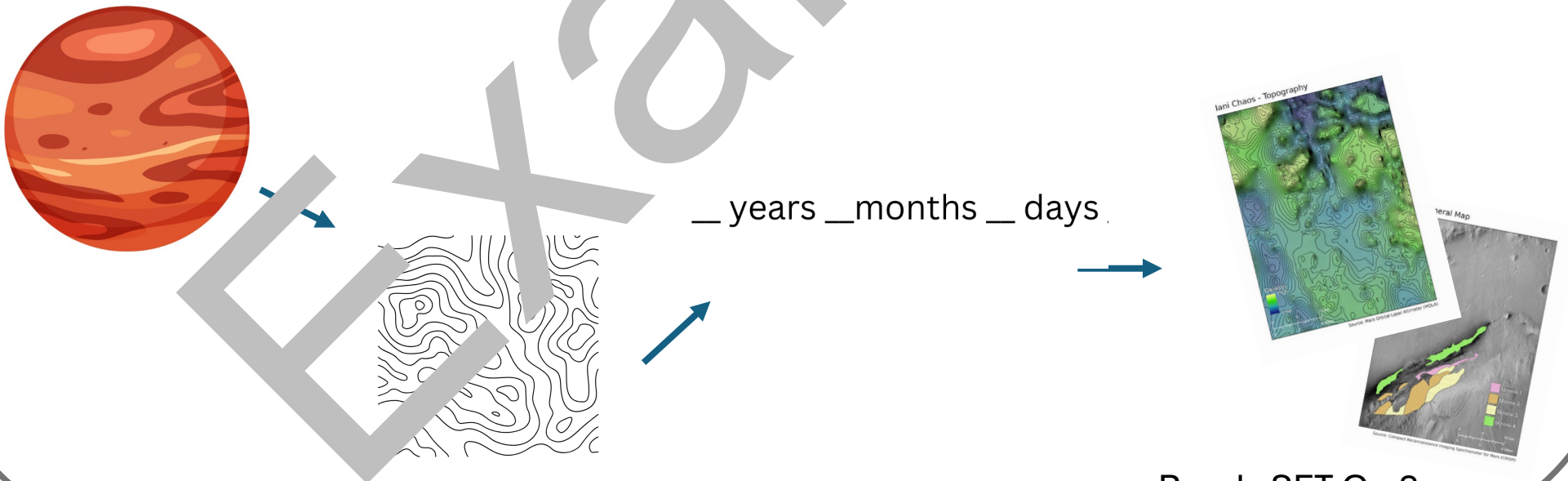
- What is Mars made of?
- Is there life on Mars?
- Can you grow food on Mars?

Landing Site Survey:
Short-term to choose
the best place to land
a robot or human on
the surface.



Global Survey

A long-term mission to
explore and map a
new planet or moon.



Resolution:



Higher
Resolution

Lower
Resolution

Physical Properties: The shape & texture of a surface.



-What it is made of?

-minerals

-chemistry

-carbon / Káábin

Diné language- carbon

-Describes what it
looks like.

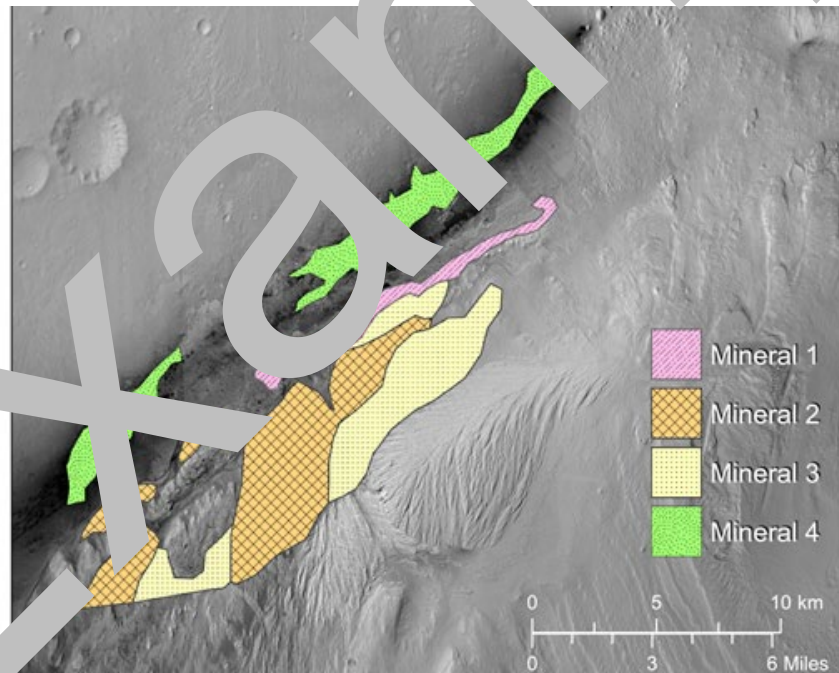
-shape

-color

-texture/dich'íizh

Diné language- not smooth

Composition: What a surface is made of



Criteria:
**Things a successful
design needs to do or
have.**



Scientists

- Measure
- Research/ma'atkaah
Diné language- research
- Observe
- Ask Questions

Engineers

- make bridges
- design
- build
- create
- model
- solve problems



