

# Digital & Print resource

## Key Information Sheet



Now available to use with  
Google Slides/ Classroom

This resource can now be printed as a PDF  
or used in Google slides, helping you be  
flexible with learning situations.

# 4 STEM Tasks

Give students Choice or 4 Weeks of Tasks

STEAM by  
Theme

## Life In Space

**The Scenario:** The Internet has opened up to many astronauts now looking for life in Space that

**The challenge:** To design a mission to the International Space Station. Remember to ensure items included in the mission include modern

**Possible Materials to use:**

~ Pop sticks

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Theme

## An Outfit Fit for an Astronaut

**The Scenario:** NASA is looking to reinvent the spacesuit. They would like a more modern version. One that can hold the latest technology and has new features.

**The challenge:** They have asked you to design and make a new spacesuit. What special features will you include in your design? How will you make life easier for the astronauts? What types of materials will you use to ensure it is light weight but also strong?

**Possible Materials to use:**

**Remember to:**



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## Toys & Experiments

The Scenario

The challenge

**Possible to use:**

~ Newspaper  
~ String  
~ Paper

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## Space Ride

**The Scenario:** A select group of people have been asked to live on the Moon. To create a fun atmosphere they would like to set up a carnival with rides.

**The challenge:** You have been asked to design and create a new ride. You will need to remember that the Moon has 1/6 gravity so it is easy to 'bounce' during the ride. Will this be a part of your ride or will you design a way to prevent this from happening?

**Possible Materials to use:**

**Remember to:**



# 2 Different Versions

## Glue in Books/ Display on Table

TEAM by  
Theme

### Toys & Experiments

**The Scenario:** The International Space Station creates experiments to see how objects and processes will react in a zero gravity environment. They also create toys for the astronauts to have fun whilst they are up there.

**The challenge:** You have been asked to either design an experiment that you would like to test in zero gravity, or a toy/ game that the astronauts can play. How will zero gravity help your experiment

### Space Theme

- Be CREATIVE
- Personal touch.
- Decorate it with your own
- how you could do it differently.
- Over come challenges – think
- Clean up after yourself
- Be sensible and on task.
- Actively contribute to the task.
- Ideas, and test them out.
- Listen to other group members
- Work as a team.
- complete them.
- Record the process/ steps as you
- Complete the design stage first.

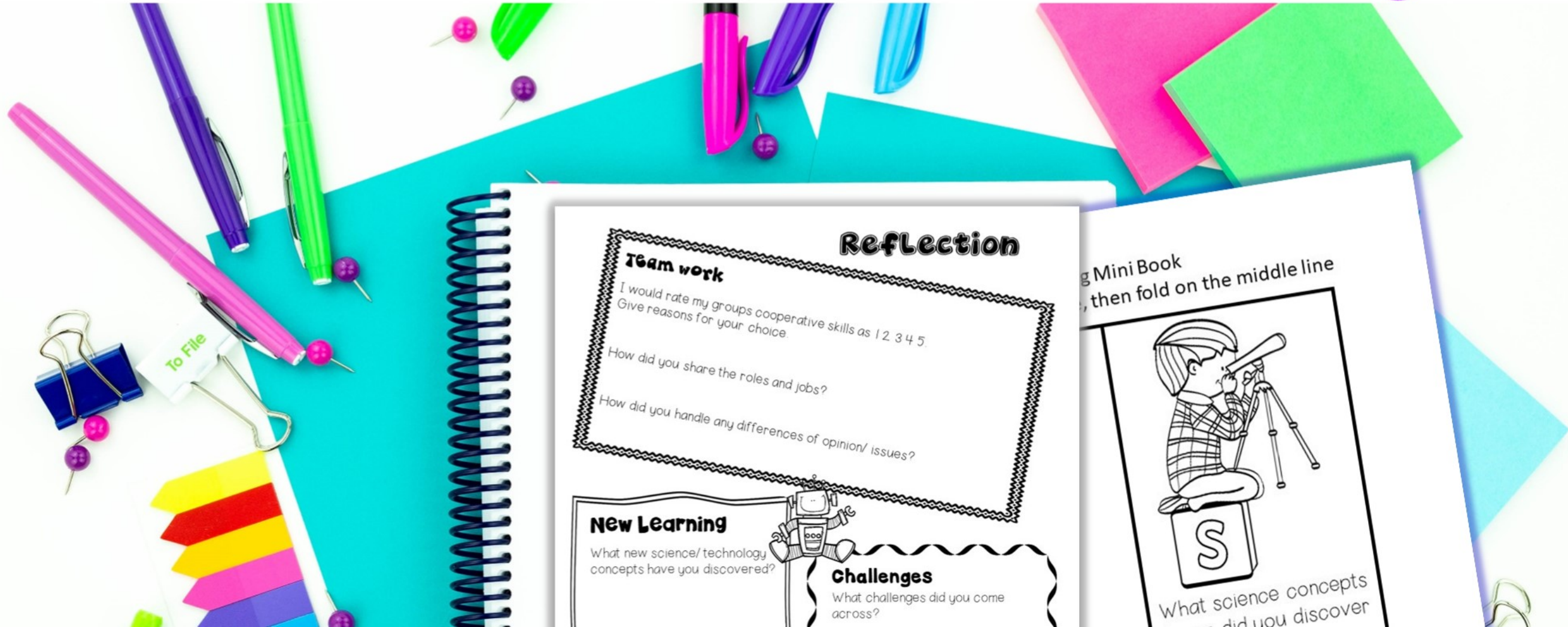


- Possible Materials to use:**
- ~ Paper
  - ~ Tape
  - ~ Glue
  - ~ Craft items
  - ~ Scrap materials around the classroom.

# Group Planning Sheets



# Encourage groups to Reflect on their learning



## Reflection

### Team work

I would rate my groups cooperative skills as 1 2 3 4 5  
Give reasons for your choice

How did you share the roles and jobs?

How did you handle any differences of opinion/ issues?

### New Learning

What new science/ technology concepts have you discovered?

### Challenges

What challenges did you come across?

g Mini Book  
then fold on the middle line



What science concepts  
did you discover