

# 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

### FUTURE FOOD

**The Scenario:** These days there are many options, it's hard to eat meals that are eaten in the future.



**The challenge:** To design a meal that is easy to store and transport, the use of materials that are the same as the pill or drink.



**Possible Materials to use:**

~ Pop sticks

STEAM by Theme

### CAR OF THE FUTURE

**The Scenario:** You have been asked to be a part of a design team for a local car manufacturing company. They are looking to design futuristic cars, thinking about the needs of people in the future.

**The challenge:** To design and create a car of the future. What will it look like? What special features will it have? How will it be driven (air, road, on tracks)?



**Possible Materials to use:**

STEAM by Theme

### EDUCATION EXTREME

The Scenario

The challenge

Possible materials to use:

- ~ Pop sticks
- ~ String
- ~ News
- ~ Craft
- ~ Glue

STEAM by Theme

### HIGH TECH HOUSE

**The Scenario:** We are starting to rely on our gadgets and technology for everyday living. Houses that can be controlled and monitored by tablets are becoming popular. What else could be incorporated into a modern house.

**The challenge:** To design and create a model house that has special features to make life easier. Remember to consider lighting, furniture, moving around the house and entertainment.

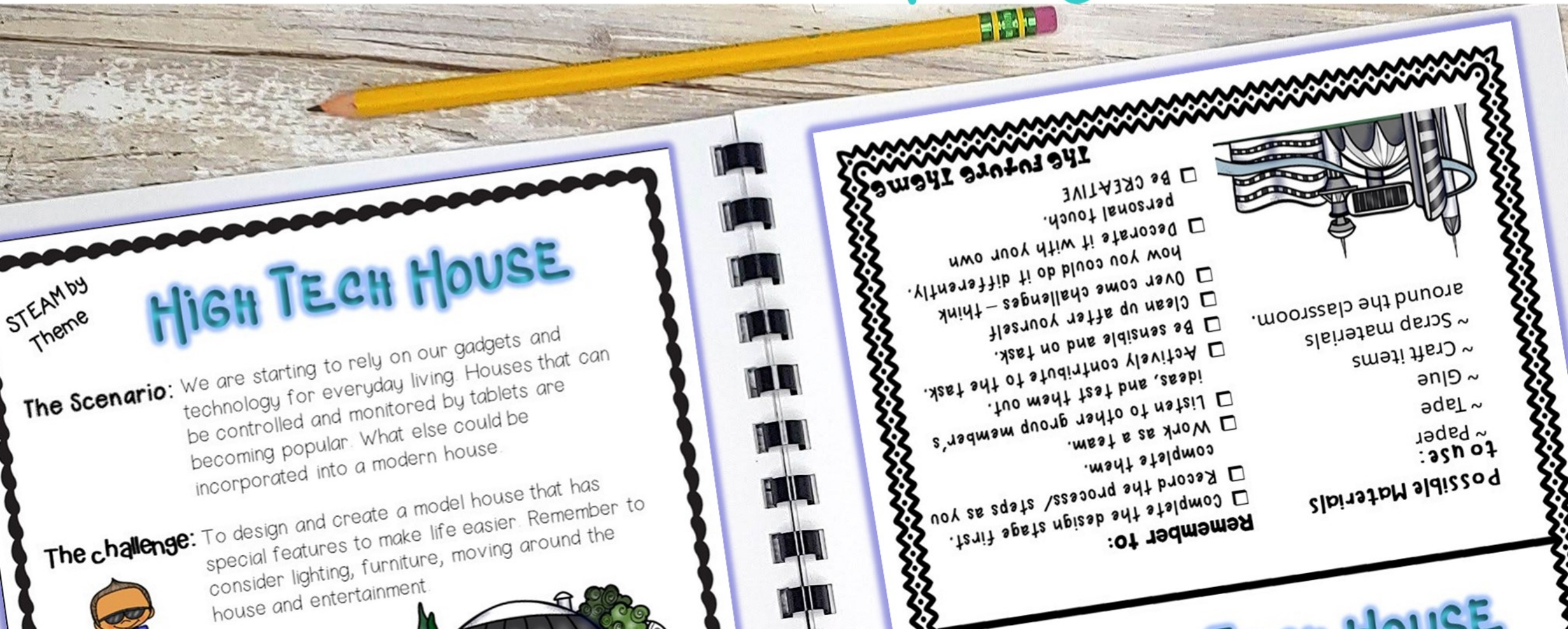


**Possible Materials to use:**



# 2 Different Versions

## Glue in Books/ Display on Table



STEAM by  
Theme

## HIGH TECH HOUSE

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### The Future 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.

### Remember to:



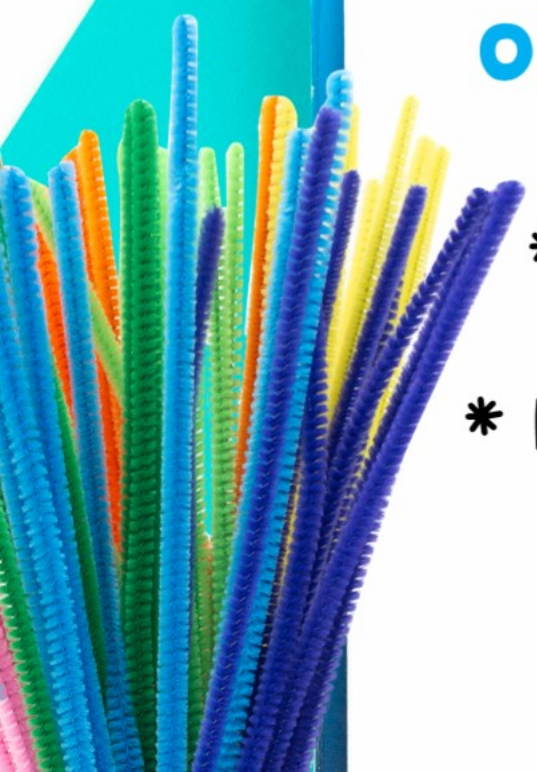
**Possible Materials**  
to use:  
~ Paper  
~ Tape  
~ Glue  
~ Craft items  
~ Scrap materials  
around the classroom.



# Perfect for Busy Teachers



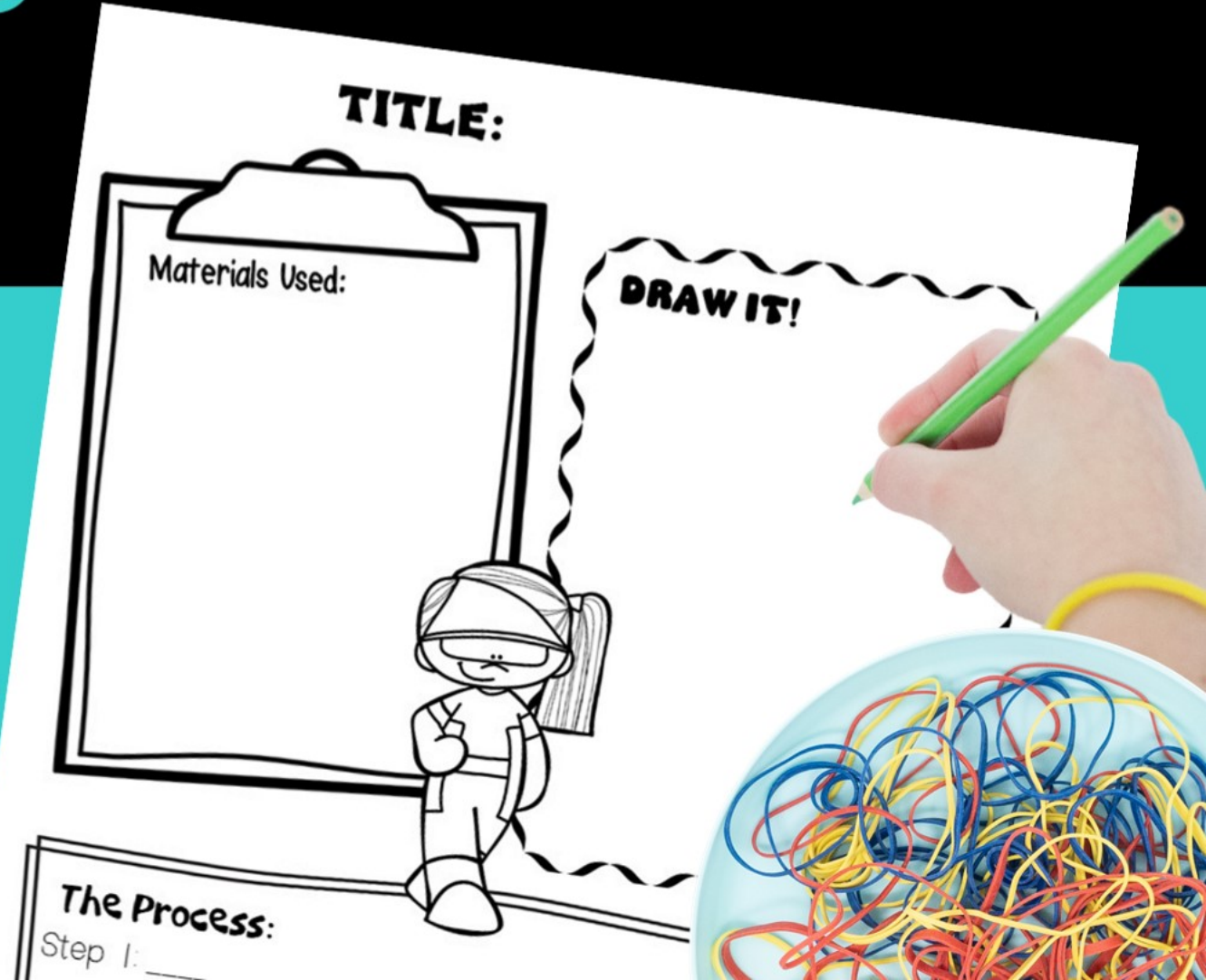
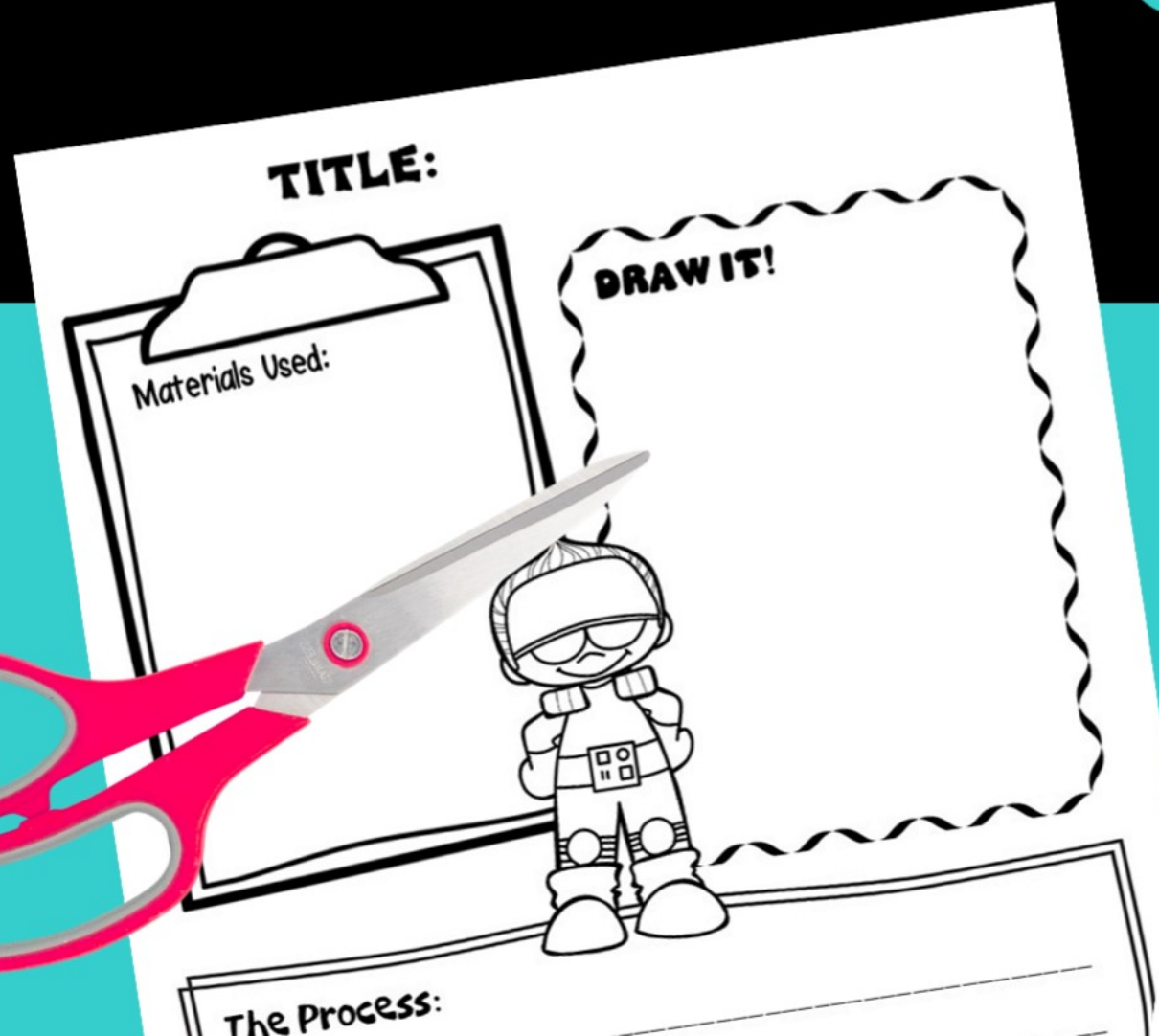
## ONLY USES BASIC CLASS SUPPLIES:

- 
- \* String
  - \* Pop sticks (craft sticks)
  - \* Paper
  - \* Craft items
  - \* Glue
  - \* cardboard
  - \* Scrap materials

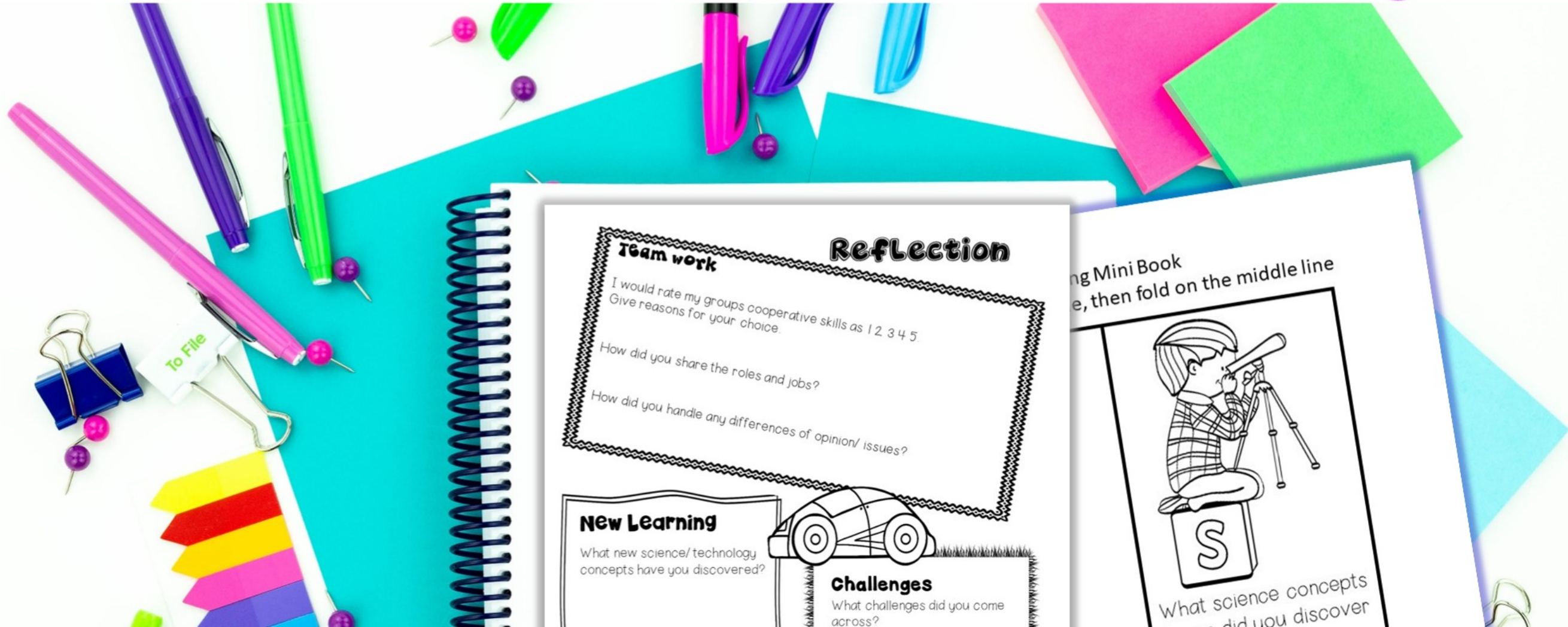
## NO PREP!



# 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?

ng Mini Book  
e, then fold on the middle line



What science concepts  
did you discover