

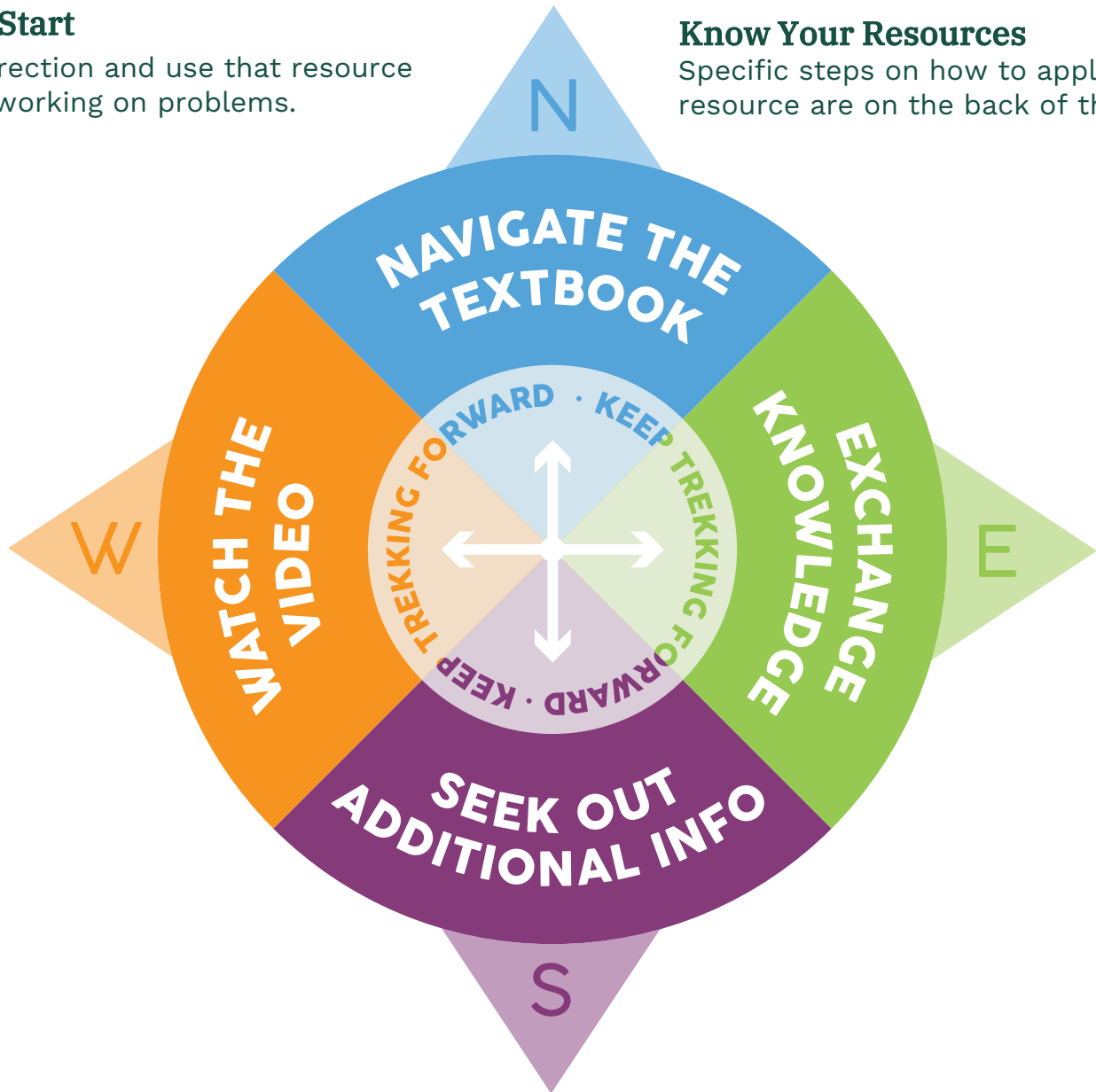
# COMPASS METHOD

## How to Start

Pick a direction and use that resource to start working on problems.

## Know Your Resources

Specific steps on how to apply each resource are on the back of this sheet.



## When should you change directions?

- **You hit a dead end**

There's nothing more to learn from this resource. Continue to explore the concept by changing directions and try another resource.

- **You run into an obstacle**

You're headed in the right direction, but there's a specific type of problem or key word you need to understand. Use another resource to get around that obstacle.

- **You're lost**

Has the resource made you more confused than when you started? Try another direction.

## NAVIGATE THE TEXTBOOK

1. Read the chapter all the way through.
2. Read the chapter again, focusing on the areas that seem new.
3. In a notebook, or on a piece of paper, write down any:
  - » Key words and their definitions
  - » Pictures or diagrams
  - » Formulas
  - » Example problems
4. When working through problems, reference the notes you've taken.
5. If you come across any problems, words, or concepts that seem new, read through the chapter again to see if that information is in there. If not, you may want to switch directions.

## EXCHANGE KNOWLEDGE

1. Start by identifying which problems you will work on.
2. Pick who will go first and start working on their problem together:
  - » How would each of you start solving the problem you see?
  - » Are there any key words either of you understand already?
  - » What parts of the problem look new or different to each of you?
3. The next problem you tackle together should be the other peer's.
4. Continue working back and forth, answering the question above for each, until you both finish your assignments.
5. If you reach a question you both don't know how to answer, it may be time to change directions.

## SEEK OUT ADDITIONAL INFORMATION

Sometimes you just need a specific piece of information to be able to tackle problems. If you need help figuring out what information you need, using the BEAR worksheet is a great place to start.

Your teacher may provide an extra resource, or you can use the internet to search for anything you might need (as applicable).

- » If you need the definition of a specific word → Type in the search bar “Definition of [the word]”
- » Is there a specific type of problem you need a worked example of? → Try copy and pasting the problem into the search bar, or “[chapter name] example problem”
- » Is there a formula or diagram that you need? → try searching for “[chapter name] formulas”

## WATCH THE VIDEO (as applicable)

1. Watch reference video(s) in full (or find one yourself) to introduce yourself to the topic.
2. Watch the video(s) a second time, this time focusing on the areas that look like new information to you. It's normal to watch the same parts of a video over and over.
3. In notebook or on a piece of paper write down any:
  - » Key words and their definitions
  - » Pictures or diagrams
  - » Formulas
  - » Example problems
4. When working through problems, reference the notes you've taken.
5. If you come across any problems, words, or concepts that seem new, watch the video again to see if that information is in there. If not, you may want to switch directions.