



Campers! Welcome to STARBASE Minnesota Duluth

We are excited for you to begin your STARBASE program. You will be with us for four days. During your four days, you will learn about different careers and use math, science and technology to solve challenges. Below is some information that you need to know before coming to STARBASE.

STARBASE Engineer Code of Conduct

We want to:

- Help you **LEARN!**
- Have **FUN!**
- Keep you **SAFE!**

Guidelines and Expectations

- Show **RESPECT** for yourself, others and STARBASE
- CHALLENGE** yourself
- PARTICIPATE**

Consequences

- Verbal warning
- Leave the classroom – take a break and make a plan
- Leave STARBASE for the remainder of the week

Dress Code

Please wear casual, comfortable clothing and sturdy comfortable shoes or sneakers. (No flip-flops or sandals)

Bring a sweater or sweatshirt to wear in case your classroom is cold

Do not bring backpacks to STARBASE, NO student cell phones, toys or gum

Baseball caps, hats and hoods must be removed before entering STARBASE and all coats must be taken off once you are inside.

We can't wait to meet all of you! You'll have a lot of fun learning more about Science, Technology, Engineering and Mathematics. We will see you soon.

Sincerely,

Your STARBASE Instructors: Joule, Polypeptide and Sol

Overview:

Throughout history, aviators or pilots have chosen call signs to signify them as unique individuals in their unit. During WWII, call signs were used as a means to speak in code to fellow unit members while not giving vital information over the radio. During this lesson, students will work in teams to brainstorm ideas for choosing a call sign that will uniquely identify them during their four days at STARBASE Minnesota Duluth.

Objectives:

Students will be able to:

- Work in teams to brainstorm a variety of possible call sign names that they can use for their week at STARBASE.
- Choose a call sign and create a permanent or four temporary name tags.
- Understand the expectations.
- Be prepared to work in teams.

Materials Needed:

- One reusable or five temporary name tags per student (mailing labels work well)
- Markers
- List of categories students can use to brainstorm call signs
- Class registration list to record call signs

Introduction:

Start the activity by either talking about the experience of STARBASE. You can share with students that at STARBASE they will get the opportunity to experience the work of an engineer by solving problems using math, science and technology. They will get the chance to do experiments and apply their knowledge to real-world problems.

After the introduction, explain that team work is expected at STARBASE and ask students to brainstorm how to be a good team member. Break students into small teams of 3-4 students to come up with ideas. After 3-5 minutes of brainstorming, ask students to share what their team came up with and write these on the board. After sharing ideas, have students write down three “I will” statements on their student sheet (see attachment) of how they will be a good team member at STARBASE. Explain the code of conduct provided by STARBASE with your students and go over the expectations and dress code.

Tell students that at STARBASE they will use call signs rather than their real names. Ask students what they think a call sign is. Explain that call signs were used during WWII to keep conversations secret and are still used today in many fields to speak in code.

Activity (or take home activity):

Give students a category or several categories for their call sign names (space, science, animals, book characters, foods, TV shows, movies, etc.) and post these where students can see them. Give students 5-8 minutes to brainstorm names with their teams. After brainstorming, have students share their call sign names and explain why they chose that call sign. After call signs have been shared, have students write their call sign on their student sheet. Please encourage students to select call signs that are positive, fun and reflective of who they are as a person. Please have the students thoroughly explain the reason for why they have selected their call sign and please assure that the name is appropriate and based on good judgement and character. STARBASE reserves the right to reject any call signs we feel are inappropriate or derogatory.

After they have chosen a call sign, have students create a reusable name tag or 4 temporary name tags. You can give students time to write their call signs as well as decorate their name tag. Make sure name tags are easy to read and see from a distance. Record student call signs to submit to STARBASE when you submit your student registration information.

Resources:

- Navajo Code Talkers by Roy O. Hawthorne
- Movies with call signs: Top Gun and Magic of Flight

Name: _____

Getting Ready for STARBASE

1. What will I do to be a great team member at STARBASE?

I will...

I will...

I will...

2. What will your call sign be?

3. Why did you choose this call sign? _____

