Didactics 1

Angie Moore
Key Competencies

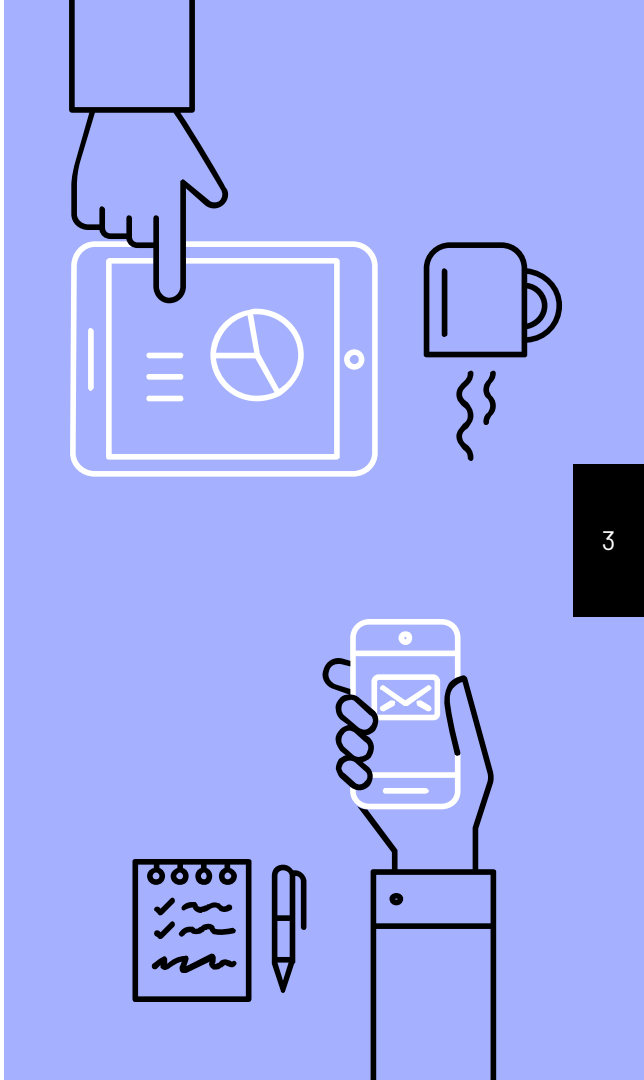
What is constructivism/ konstruktivismus?

Write one or two sentences in your own words describing what constructivism is.

Napište jednu nebo dvě věty vlastními slovy, které popisují, co je konstruktivismus.

Constructivist view of learning

- Learning is an active process.
- Learning involves sensory input to construct meaning.
- The learner needs to do something in order to learn, it’s not a passive activity.
- Learners need to engage in the world so they are actively involved in their own learning and development.
- Learners can’t just sit and expect to be told things and learn, they need to engage in discussions, reading, activities, etc.



3 types of constructivist learning

Inductive learning

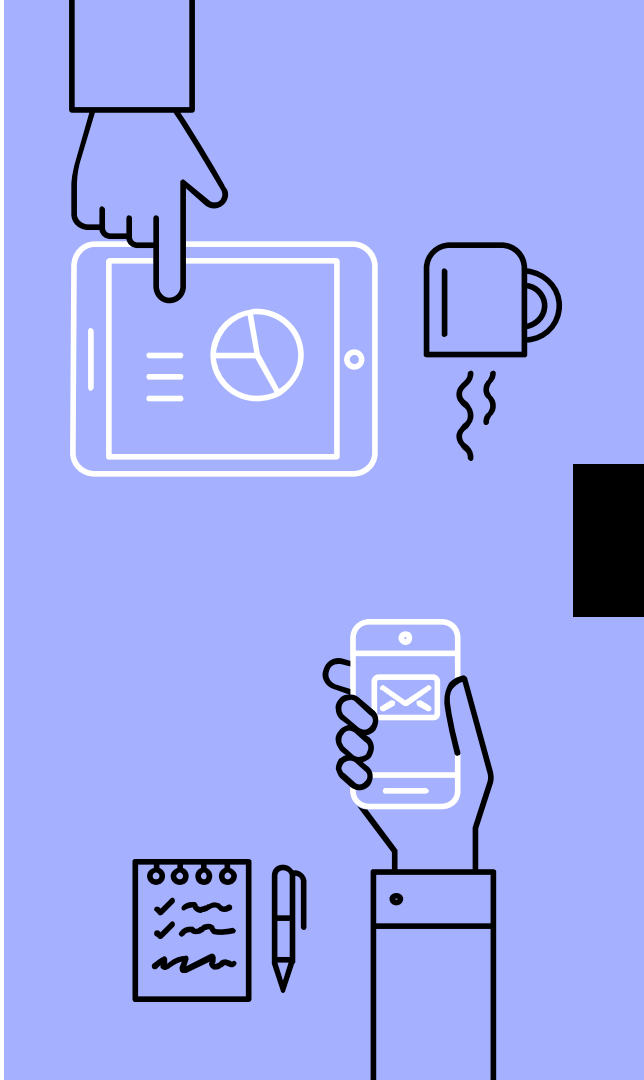
- Inductive learning takes the traditional sequence of a lesson and reverses things. Instead of saying, “Here is the knowledge; now go practice it,” inductive learning says, “Here are some objects, some data, some artifacts, some experiences...what knowledge can we gain from them?”

Inquiry based learning

- students create their own questions and seek to solve them through research and observations.

Collaborative learning

- Small group activities in which group members rely on the knowledge of others to further their own understanding.



INDUCTIVE

specific examples ⟶ general rule

DEDUCTIVE

general rule ⟶ specific examples

Instructor’s goals for this lesson

- Students will become familiar with the RVP document through hands on learning
- Students will experience constructivist learning methods
- Students will develop an understanding of the key competencies from their own knowledge construction point
- Students will practice the professional skill of creating presentations
- Students will create a potential artifact to add to their portfolios for their future reference

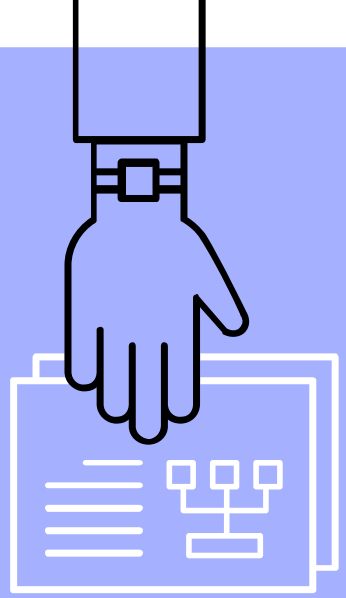
Inquiry-Based Learning

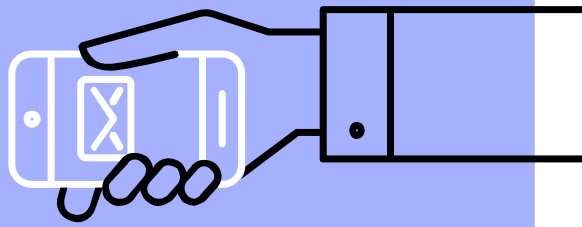
Inquiry is a method of learning in which students are encouraged to recognize and state problems, to ask questions about these problems in a manner that allows them to pursue answers and to recognize that these answers are both the final product and the starting point for further study.

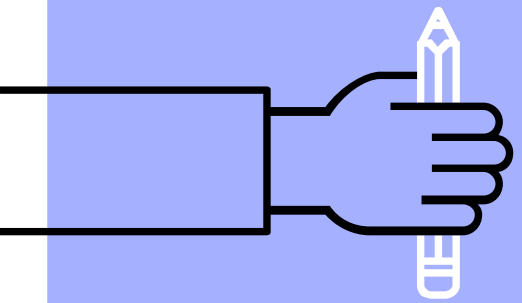
INQUIRY-BASED LEARNING

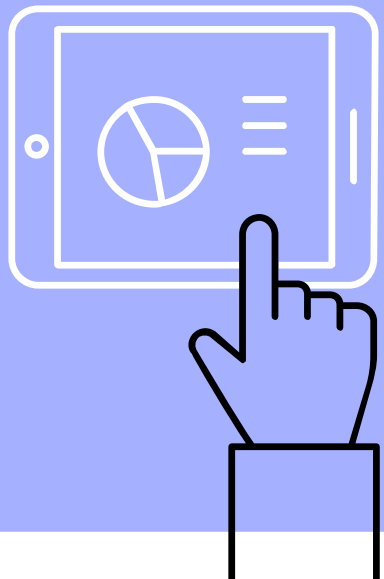
IN LESS THAN FIVE MINUTES

Key competencies of Czech basic education









Questions

1. What are the 7 subcategories of key competencies?
2. What is the most important information about each subcategory?
3. What does each key competency mean for real life teaching? (i.e.activities or practices. How could we as teachers help students develop each competency?

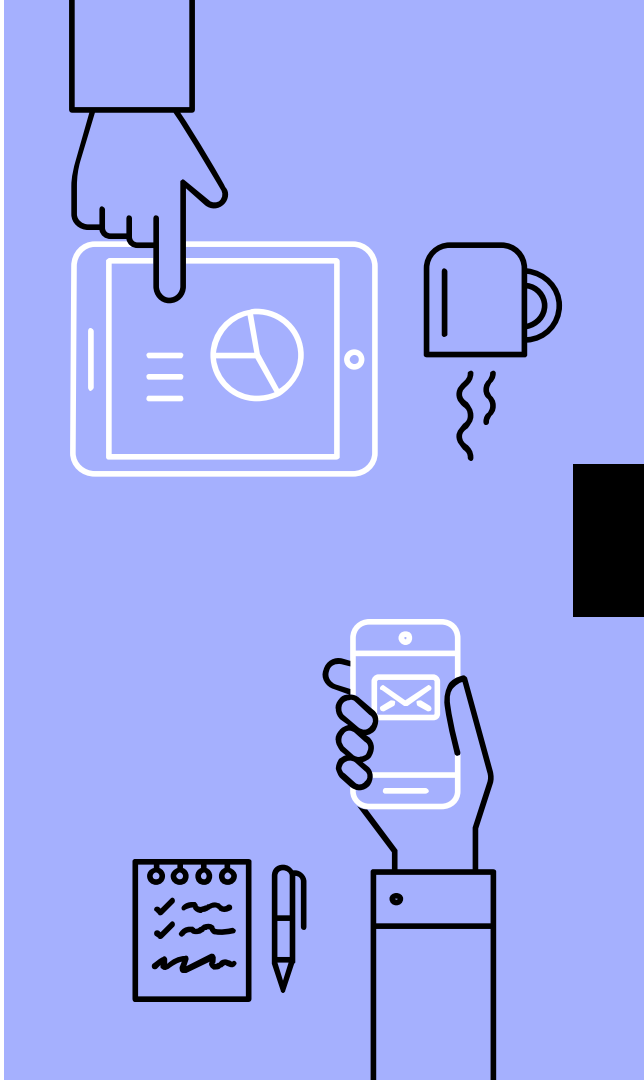
Your task:

Create a presentation with at least one slide for each key competency.

Make sure to answer the 3 questions and feel free to add more.

You can work in pairs or small groups

Where can we find the key competencies for Czech basic education?



https://www.edu.cz/wp-content/uploads/2023/07/RVP_ZV_2023_cista_verze.pdf

STR.10-15

Also on Moodle

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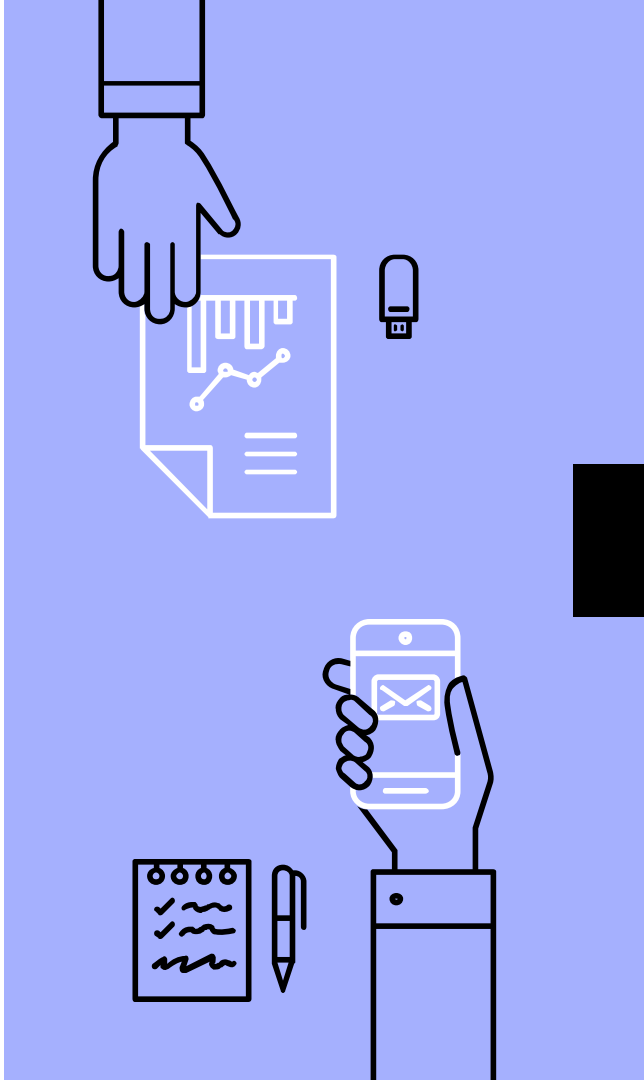
learning competencies

- Show them your process
- Sharing your goals with students
- Discussion about the learning process
- Self learning
- Students list their goals



problem-solving competencies

- Divide the problem into manageable units
- Critical thinking
- Taking responsibility for your actions
- How to find reliable sources
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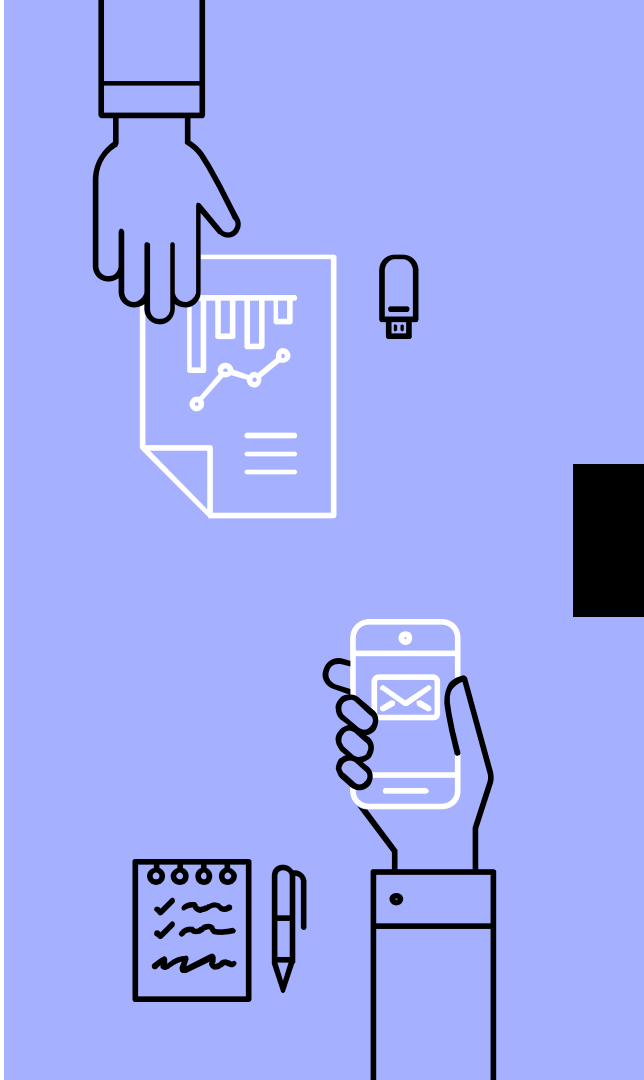

communication competencies

- Express your opinion
- Situational awareness
- Correct language in different settings
- Public speaking
- Teamwork assignments
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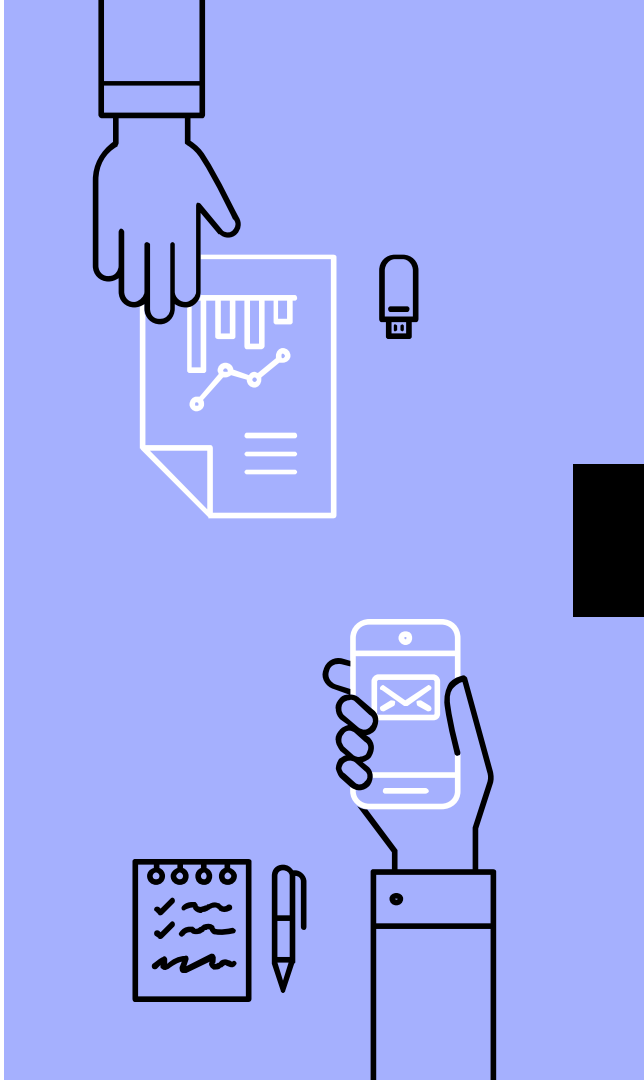
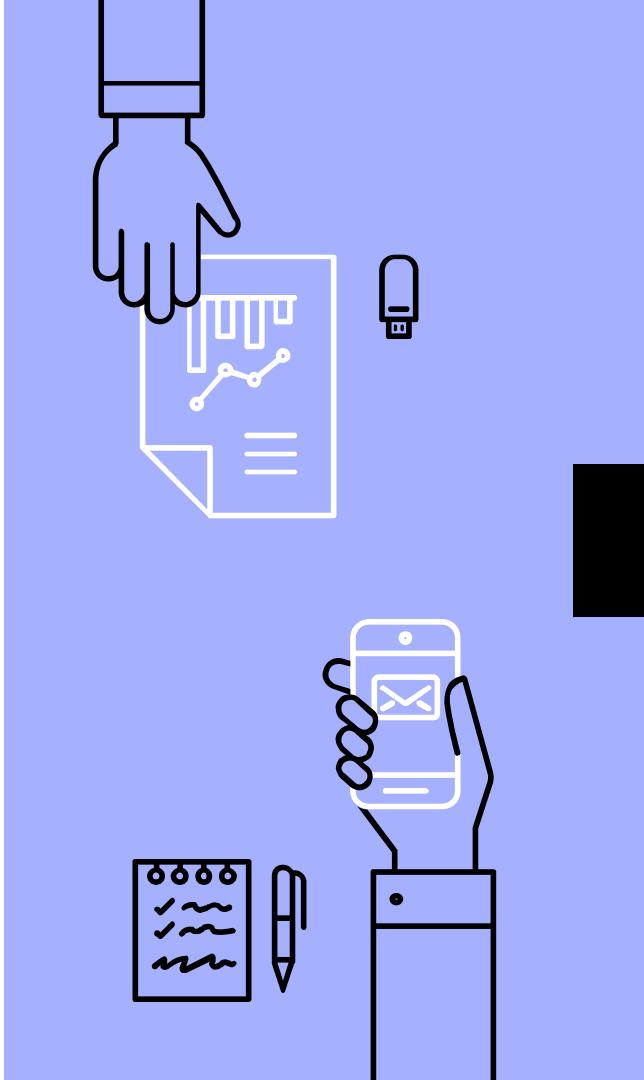


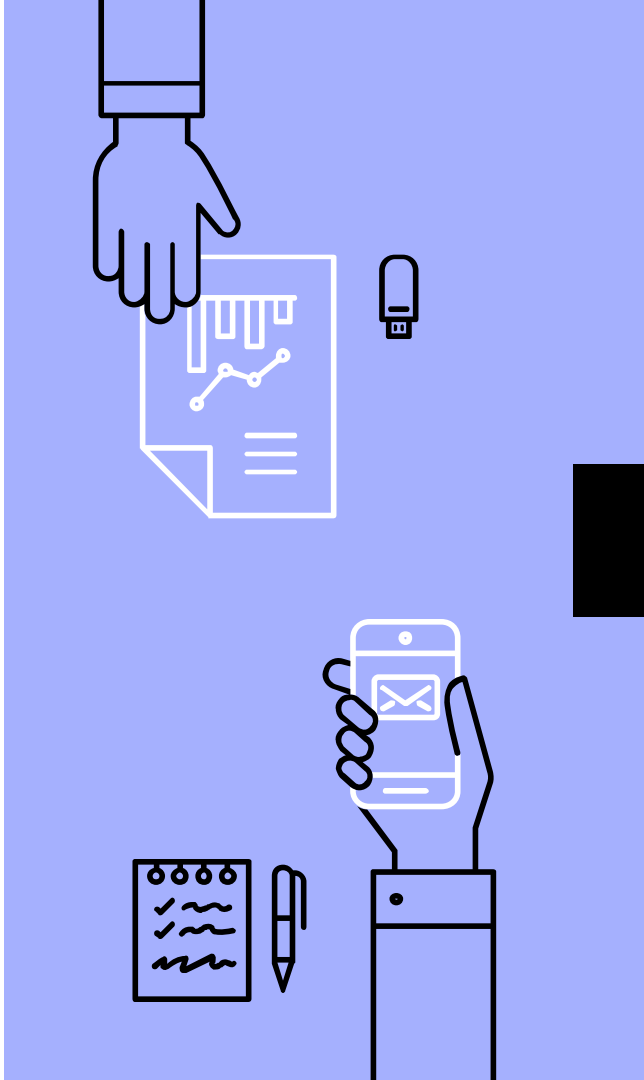
social and personal competencies

- Teamwork
- Giving feedback
- Boundaries
- Developing empathy



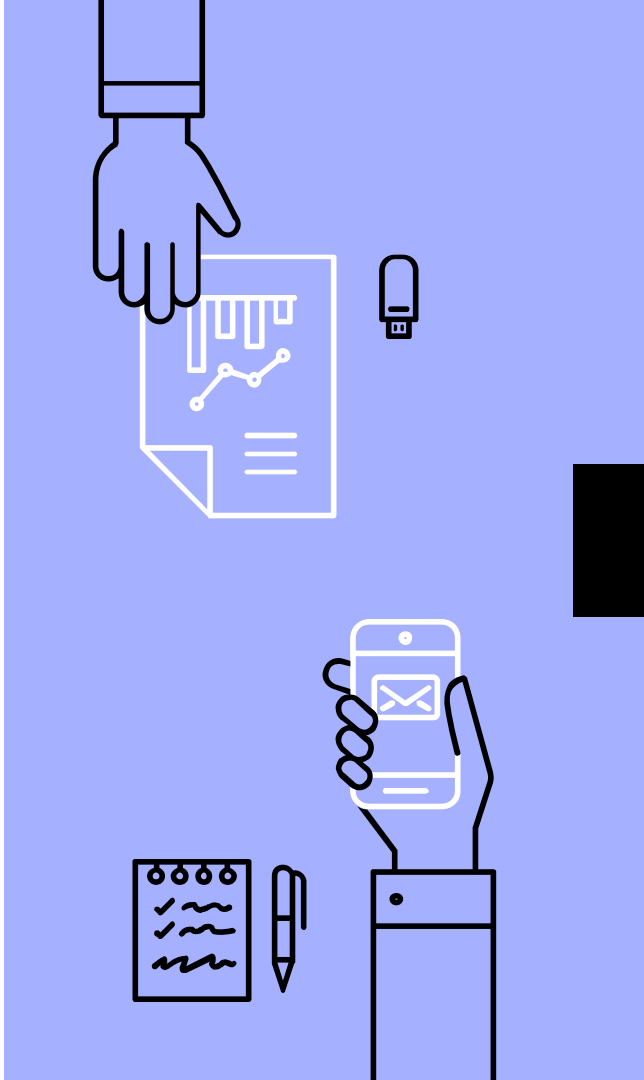
civil competencies

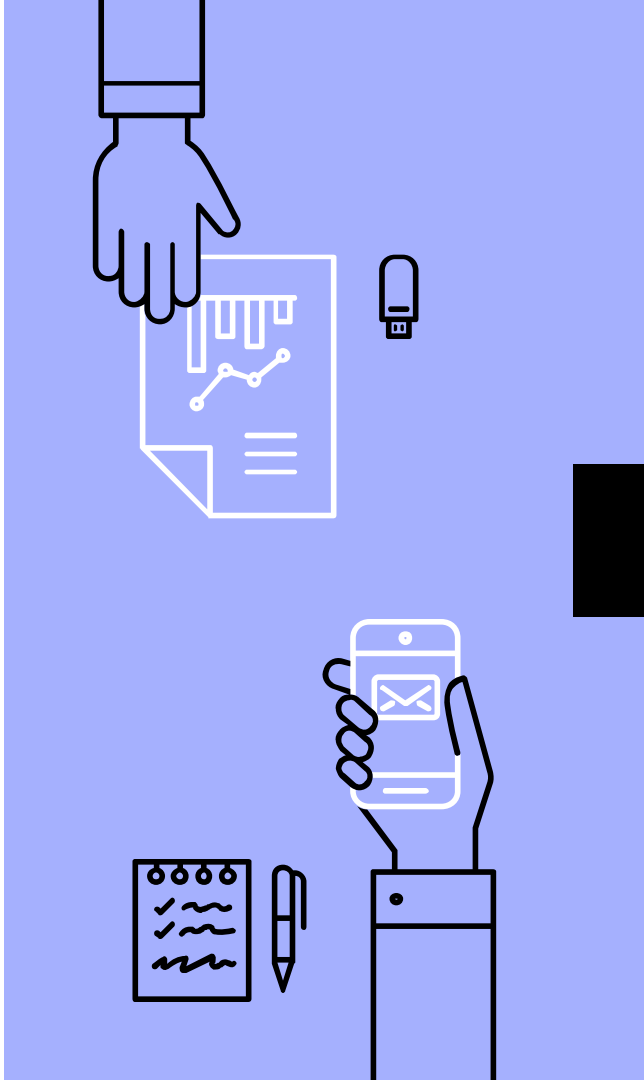
- Celebrating holidays
- Trips to the museum
- Cultural contexts
- Multicultural communication



working competencies

- Schedule
- Discipline
- Geometry to build something
- Be capable to adapting to different situations



Digital competencies

- Determining reliable sources in real life and online
- Verify facts- everything
- Logical thinking
- Noticing patterns
- Working with digital tools like microscopes